GENERAL

STEREO CASSETTE RADIO

VST8000

SERVICE MANUAL

4-BAND (FM/MW/LW/SW) WITH SYNTHESIZED TUNER

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ERRATA

MODEL VST8000/BS

Please revise as follows;

Page	Line	Current	Revise
3	9	Modulations MW/SW1/SW2	Modulations MW/LW/SW
7	3	Tracking Alignment for MW, SW1 and SW2	Tracking Alignment for MW, LW and SW
9	Alignment (Coverage, Tracking) Table	106.6 MHz	106.0 MHz

SPECIFICATIONS

Specifications are subject to partial change without notice.

FM

Frequency Range : 87.4 MHz ~ 108.2 MHz
IF : 10.7 MHz
Usable Sensitivity (Mono, S/N 26 dB) : 5.62 μV
S/N (98 MHz, 1.1 mV input) : 45 dB
Image Rejection : 37 dB
AM Suppression : 35 dB
Audio Fidelity (De-emphasis 50 μS)
    40 Hz ~ 12500 Hz : ± 3 dB
THD (98 MHz, 1.1 mV input)
    Stereo : 1.5%
    Mono : 0.8%
Separation
    1000 Hz : 30 dB

MW

Frequency Range : 515 kHz ~ 1630 kHz
I.F. : 460 kHz (for VST8000)
: 468 kHz (for VST8000BS)
Usable Sensitivity (S/N 20 dB) : 800 μV
S/N (1000 kHz, 5 mV/m input) : 30 dB
AGC (1000 kHz, 100 mV/m input) : 38 dB
THD (1000 kHz, 5 mV/m input) : 3%
Image Rejection : 35 dB

LW

Frequency Range : 145 kHz ~ 355 kHz
Usable Sensitivity (S/N 20 dB)
    160 kHz, 250 kHz : 2000 μV
    320 kHz : 1000 μV
Image Rejection : 30 dB
S/N (250 kHz, 5mV/m input) : 25 dB

SW

Frequency Range : 5.7 MHz ~ 6.4 MHz
Usable Sensitivity (S/N 20 dB) : 200 μV
Image Rejection : 10 dB

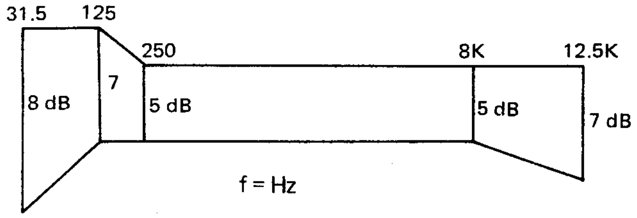
CASSETTE

Tape Speed : 4.75 cm/sec ± 2%
Wow/Flutter (WRMS, JIS) : 0.08%
F.F/REW Time (C-60) : 100 sec.

Frequency Response

Normal (MTT-216)

CrO_2/Metal (MTT-316)



Erase Ratio (AUX 200 mV input) : 60 dB
Distortion
  Normal/Metal : 2.5%
  CrO_2 : 3%
S/N (unweighted)
  Normal : 40 dB
  CrO_2/Metal : 42 dB
Dolby NR Effect (CCIR) : 8 dB
Crosstalk (W/Filter) : 50 dB
Separation : 30 dB
Bias Frequency : 67.25 kHz

Output Power : 6.5/6.5 W (10% THD)

Power Requirement

AC 120/240V 50/60 Hz
DC 15 V (UM 1 x 10) (for VST 8000BS)

AC 220 V 50 Hz
DC 15 V (UM 1 x 10) (for VST8000)

Nominal Impedance

Mic	5 kΩ
Phono (Mag)	47 kΩ
Line IN	82 kΩ
Rec Out	47 kΩ

Dimensions & Weight

600(W) x 375 (H) x 132 (D) mm
7.5 kg (W/O Batteries)

ALIGNMENT INSTRUCTIONS

Standard Conditions for Alignment

Power Source Voltage : AC 120 V/240 V ± 1%
or DC 15 V ± 5% (for VST8000BS)
AC 220 V ± 1%
or DC 15 V ±5 % (for VST8000)

Output Load : 4 Ω (Speaker impedance)

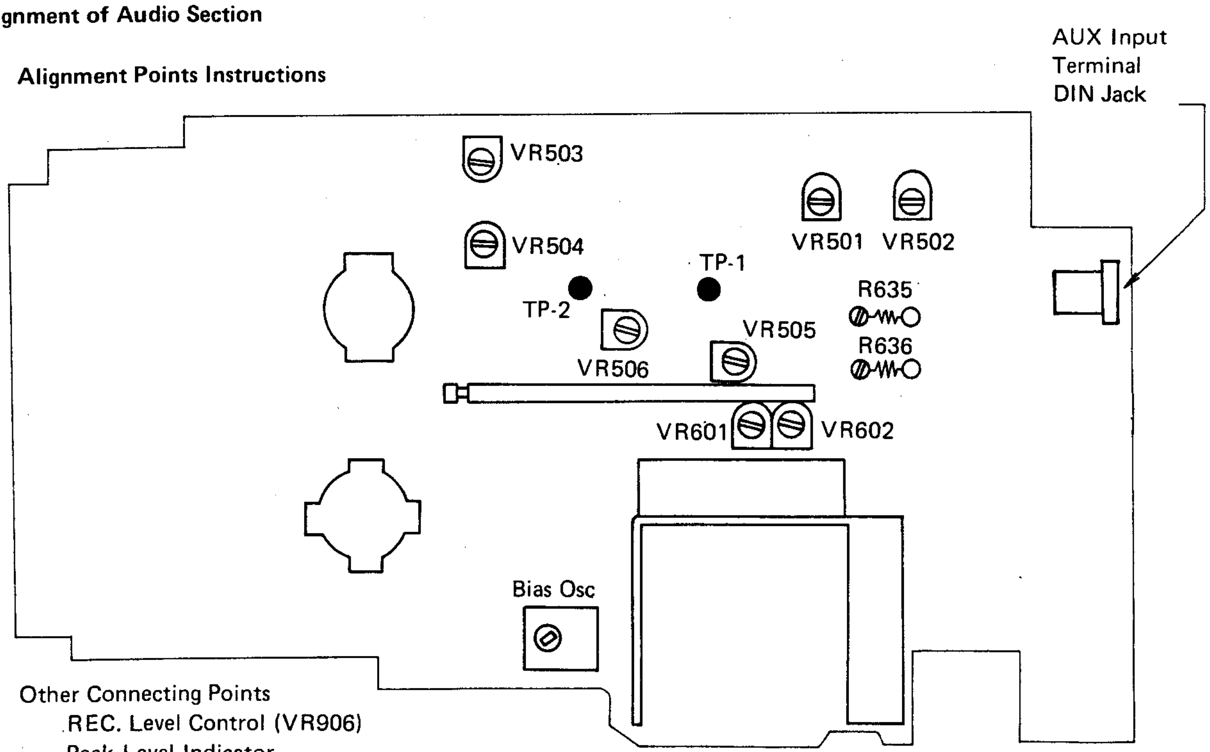
Modulations
MW/SW1/SW2 : 400 Hz, 30%
FM : 1 kHz, 75 kHz Dev.

Preparation before Alignment

1. Positions of Switches
    Power : ON
    Loudness : OFF
    Manual (Tuning) : ON
    Dolby NR : OFF
    REC. Mode : Manual
    Tape : Normal
    Function : Set to Alignning Position
2. Positions of Controls
    Volume : Min.
    Bass : Center (Clicked position)
    Treble : Center (Clicked position)
    Balance : Center (Clicked position)
    REC. Level : Min.
    Mixing : Source
    Mode : Stereo (Clicked position)
3. Voltage Check
    DC 15 ± 0.2 V (on batteries used)
    AC 17 ± 0.5 V (at secondary side on AC used)

Alignment of Audio Section

1. **Alignment Points Instructions**


AUX Input Terminal DIN Jack
VR503
VR504
VR501
VR502
TP-1
TP-2
R635
R636
VR505
VR506
VR601
VR602
Bias Osc

Other Connecting Points
REC. Level Control (VR906)
Peak Level Indicator

2. **Test Tapes**

Dolby Level Calibration	TEAC MTT-150
Head Azimuth	TEAC MTT-114

3 **Azimuth (Tape TEAC MTT-114 or equvalent)**

Rotate the adjusting screw of the R/P head so as to obtain the maximum output of the 10 kHz frequency by means of an output Meter. After adjustment, fix it with screw locking agent.

4. **Dolby Level Calibration (Tape MTT-150)**
   (1) Set the Function Switch to Tape mode.
   (2) Play the Test Tape MTT-150.
   (3) Adjust VR501 (L ch) and VR502 (R ch) so as to obtain 580 mV ± 20 mV at TP. 1 (L ch) and TP. 2 (R ch).

5. **Bias Oscillator Frequency**
   (1) Bias Oscillator will start oscillating when the REC switch is depressed.
   (2) Connect a Frequency Counter to VR602. Slide Beat Cut Switch to OSC1 (.) position and read frequency. to OSC 1 (•) position.
   (3) Adjust Bias Oscillator Coil with a non-inductive adjusting rod so as to obtain a 67.25 ± 1 kHz in the same OSC 1 (•) position of the switch.
   (4) Confirm that the frequency is within a range of 64.5 ± 1.5 kHz when the switch is turned to OSC 2 (• •) position.
   (5) Adjust VR601 (L ch) and VR602 (R ch) alternately so as to obtain the following values while measuring the voltage of the both sides of R635 (L ch) and R636 (R ch) in the Normal Mode.

$$\begin{array}{lll} \text{Normal} & - \ 500^{+15}_{-5}\,\mu\text{A} \ldots. & \text{Adjust} \\ \text{CrO}_2 & - \ 720 \pm 40\,\mu\text{A} & \multirow{2}{*}{\Big\}\ \text{Confirm}} \\ \text{Metal} & - \ 850 \pm 40\,\mu\text{A} & \end{array}$$

Note: Convert measured voltage into current since the resistors of R635 and R636 are 10 ohm each.

6. **REC Level**
   (1) Apply a 1 kHz 200mV signal to the DIN input socket (LINE) with associate switch in the AUX (LINE) position.
   (2) Gradually increase the volume of REC after confirming the REC Mode switch is in the MANU position so as to obtain a 580 mV ± 20 mV at Test points of TP1 — L ch and TP2 — Rch.

   (3) Adjust VR503 (L ch) and VR504 (R ch) so as to obtain 580 mV ± 80 mV at the Test point by repeating recording and playing several times with the input of paragraph (2).

7. **Peak Level**
   (1) Align VR505 (L ch) and VR506 (R ch) so as to just light the LED positioned between 0 ~ +3 dB of the Peak Level Indicator. Check that either three green LEDs are alight, or three greens plus one red LED are brightly lit, when playing the Dolby Test tape (MTT-150), as either condition is acceptable.
   playing the Dolby Test tape (MTT-150), as either condition is acceptable.

8. **Others**

Adjustments should be made in the sequence of items 3, 4, 5, 6 and/or 7.

Alignment of Tuner

Positions of Semi-VRs

Control Board

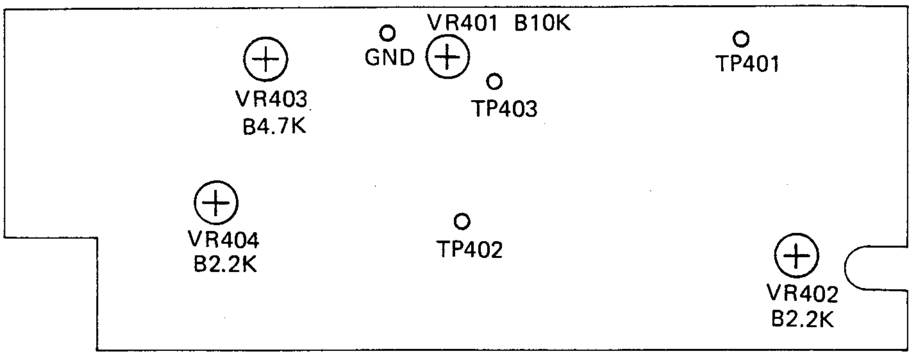
VR401, VR402, VR403 : Mechanical mid-position
VR404 : Turn fully, clockwise

Tuner

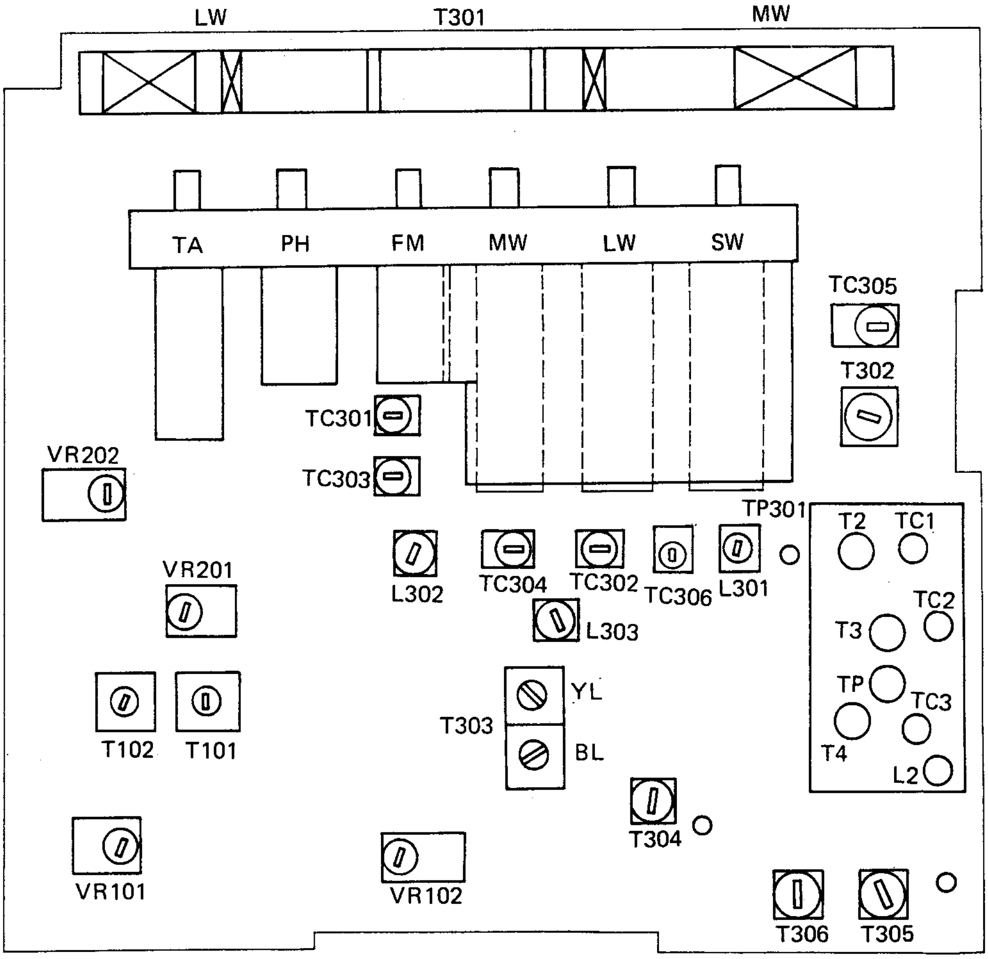
VR101 : Turn fully clockwise
VR201, VR202 : Mechanical mid-position
VR102 : 2 o'clock position
Other semi-VRs : Mechanical mid-position

Alignment Points Instructions

Control Board


VR401 B10K
GND
TP401
VR403 B4.7K
TP403
VR404 B2.2K
TP402
VR402 B2.2K

Tuner


LW
T301
MW
TA
PH
FM
MW
LW
SW
TC305
T302
TC301
TC303
VR202
TP301
T2
TC1
VR201
L302
TC304
TC302
TC306
L301
TC2
L303
T3
TP
TC3
YL
T303
BL
T4
L2
T102
T101
T304
VR101
VR102
T306
T305

Alignment

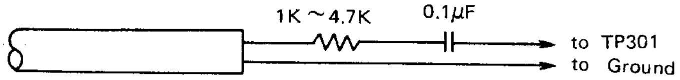
1. Control Board

(1) Set the Function switch to FM position.
(2) Press the Manual switch ON. (Manual LED lights)
(3) Rotate the Tuning VR (VR5001) fully clockwise.
(4) Adjust VR404 so that the Digital Volt Meter (D.V.) connected between TP402 and Ground indicates 8 volt.
(5) Indication of 7.96 ~ 8 V is confirmed with the D.V. connected between TP403 and Ground.
(6) Keep the D.V. in (5) conditions, then turn Tuning VR fully counterclockwise, adjust VR402 so as to obtain a 1.035 V. Secondly, turn Tuning VR so as to indicate a 1.5 V, then adjust VR403 so that the 2nd LED (red) from the left end will begin to light.

2. AM IF

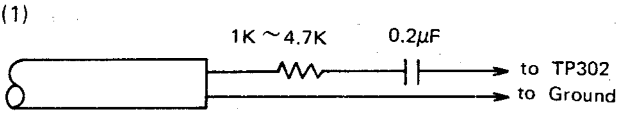
Positions of Controls
Function switch : MW
Tuning VR : Fully clockwise
DX/LOCAL switch : DX position
Measurements Required : IF Sweep Generator, Oscilloscope (for monitor)

Output/Input Cables
IF Sweep Generator Output

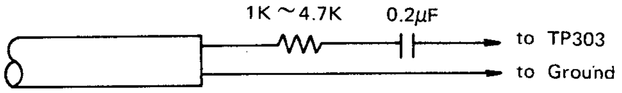


Oscilloscope Input

(1)

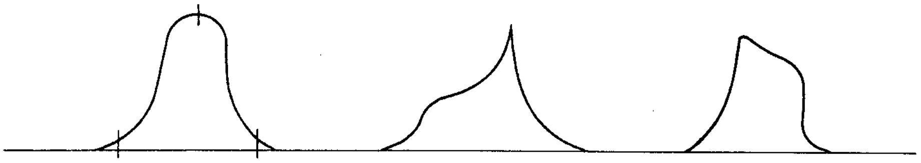


(2) For S curve



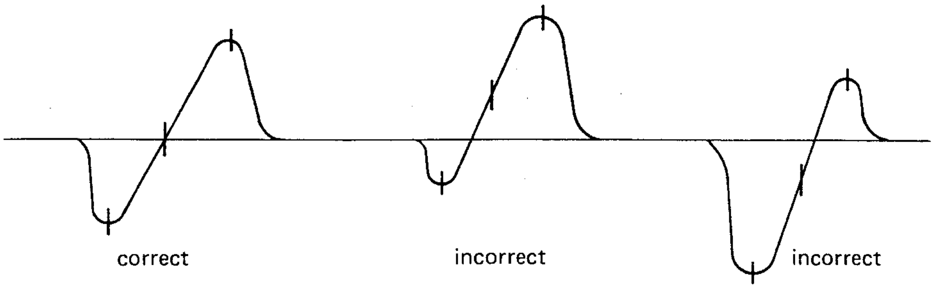
Alignment

Align T303 and T304 so as to obtain the waveform as shown in the figure below.
Center frequency is a 460 kHz (for VST8000), 468 kHz (for VST8000BS).



correct incorrect incorrect

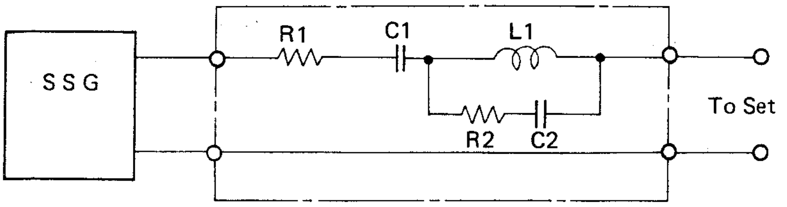
Align T305 and T306 so as to obtain the following waveform. (S curve)



3. Tracking Alignment for MW, SW1 and SW2

Measurements Required:	AM-S.S.G. (400 Hz 30% Modulation), Loop Antenna (for MW and SW1), IEC Dummy Antenna (for SW2), D.V.

IEC Dummy Antenna



Rg = Output impedance of the S.S.G.
R_1 = 80 - Rg (Ω)
R_2 = 320 Ω
C_1 = 125 pF
C_2 = 400 pF
L_1 = 20 μH

Dummy Antenna

MW

S.S.G. Frequency/ Frequency Points to be adjusted	Adjusting Points			
	Local Osc. Circuit		Ant. Circuit	
	Coil	Trimmer	Coil	Trimmer
515 kHz	L303			
600 kHz			T301 (MW)	
1400 kHz				TC301
1630 kHz		TC302		
NOTE: Confirm that the coverage is within the limit. 515 kHz ± 15 kHz, 1630 kHz ± 25 kHz				

LW

145 kHz	L302			
160 kHz			T301 (LW)	
320 kHz				TC303
355 kHz		TC304		
NOTE: Confirm that the coverage is within the limit. 145 kHz ± 5kHz, 355 kHz ± 5 kHz				

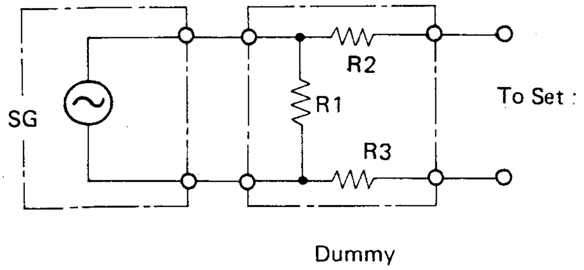
SW

5.7 MHz	L301			
5.8 MHz			T302	
6.2 MHz				TC305
6.4 MHz		TC306		
NOTE: Confirm that the coverage is within the limit. 5.7 MHz ± 35 kHz, 6.4 MHz ± 35 kHz				

4. Alignment for FM (I.F and Tracking)

Measurements Required:
FM S.S.G. (1 kHz 75 kHz Dev.)
Dummy Antenna (300 Ω Balanced)
I.F. Sweep Generator
Oscilloscope (for Monitor)
D.V.
Center Meter
Distortion Meter

Dummy Antenna Circuit

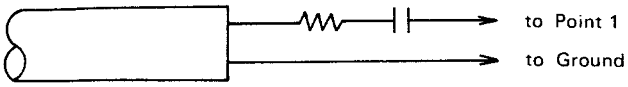

SG
R2
R1
R3
To Set :
Dummy

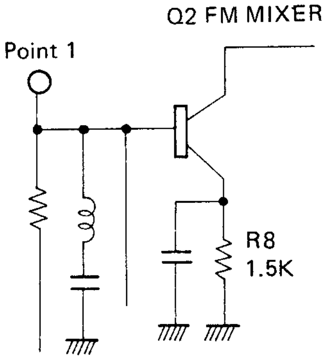
Rg = Output impedance of the S.S.G.
R_1 = Rg (Ω)
R_2 = 150 - Rg (Ω)
R_3 = 150 Ω

Connector
Connector (CN102): : Open

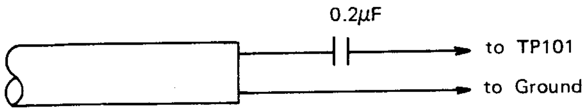
Output/Input Cables

Sweep Generator


1K ~ 4.7K
5PF
to Point 1
to Ground


Q2 FM MIXER
Point 1
R8
1.5K

Oscilloscope


0.2μF
to TP101
to Ground

Connection of the Center Meter

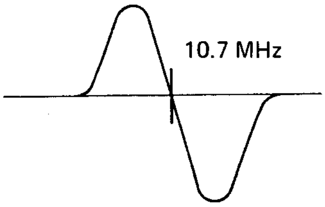
Connect between TP102 and TP103.

Alignment (IF)

Connect the Sweep Generator, Oscilloscope and Center Meter at each designated position.

(1) Adjust VR102 so that the center meter is shown at O position under non-signal condition.

(2) Adjust T4, T101 and T102 so as to obtain a curve similar to the following ideal S curve when applied the signal.



Alignment (Coverage, Tracking)

Connect the S.S.G., Oscilloscope, Center Meter and Distortion Meter at each designated position.

(1) Turn the Tuning VR fully counterclockwise.

(2) Adjust Local OSC. coil (L2) so as to tune with 87.5 MHz, then adjust Antenna coil (T2) and RF coil (T3) so as to obtain the maximum output and minimum distortion.

(3) Apply an 87.5 MHz 1mV/m.
Adjust T102 so as to obtain the minimum distortion. (Center meter should be shown in O position.)

(4) Confirm that the Center meter shows O position when the connector (CN102) is short-circuited under no signal condition. If O position is not shown, then adjust VR102.

S.S.G. Frequency/ Frequency Points to be adjusted	Adjusting Points					
	Local Osc. Coil		Ant. Circuit		RF Circuit	
	Coil	Trimmer	Coil	Trimmer	Coil	Trimmer
87.4 MHz	L2					
90.0 MHz			T2		T3	
106.6 MHz				TC1		TC2
108.2 MHz		TC3				

NOTE: Confirm that the coverage is within the limit.

87.4 MHz $^{+150}_{-300}$ kHz, 108.2 MHz $^{+300}_{-300}$ kHz

5. Alignment for FM: MPX

Measurements Required:

FM S.S.G.
Stereo Modulator (DIN Standard)
Main (L + R) 20 kHz Dev. (50%)
Sub (L - R) 20 kHz Dev. (50%)
Pilot (19 kHz) 6 kHz Dev.(13%)
Frequency Counter
D.V.

(1) Alignment for V.C.O. Free-run Frequency
V.C.O.: Voltage Control Oscillator
Connect Frequency counter to TP201 terminal.
Adjust VR201 (10 kΩ) so as to obtain 19 kHz + 15 Hz. (Confirm that the Stereo lamp is lit.)

(2) Alignment for Separation
Monitor the L channel after setting the Stereo Modulator to R channel. Align VR202 (220 Ω) so as to obtain minimum leakage from the R channel.
Align VR202 so as to obtain minimum leakage of the R channel from the L channel by doing the same procedure as above.

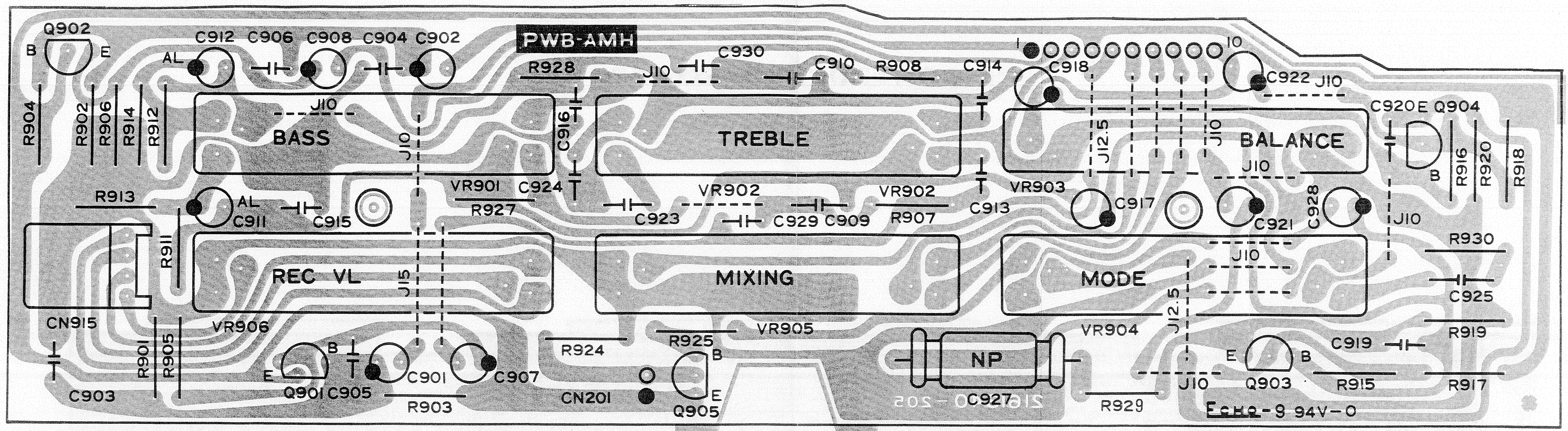
6. Adjustment for Control Board

Adjust VR401 so as to obtain a 4.75 V on the Digital Volt Meter connected between TP401 and ground in FM position (manual).
Confirm that the frequency changes smoothly in both up and down directions on the FM and MW bands.

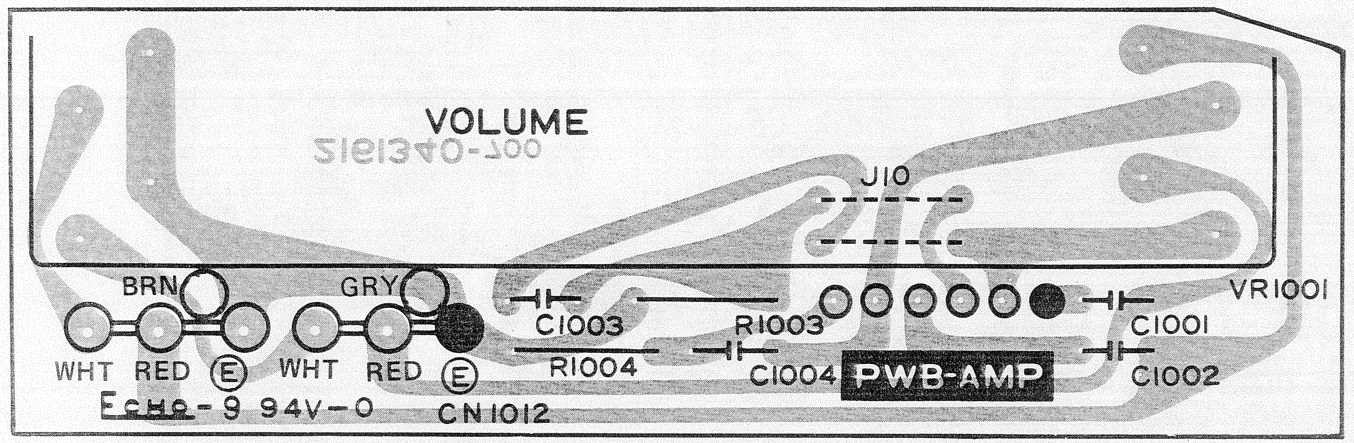
7. Confirmation of Memory

Confirm that the memory can be operated from 1 to 7 channel.

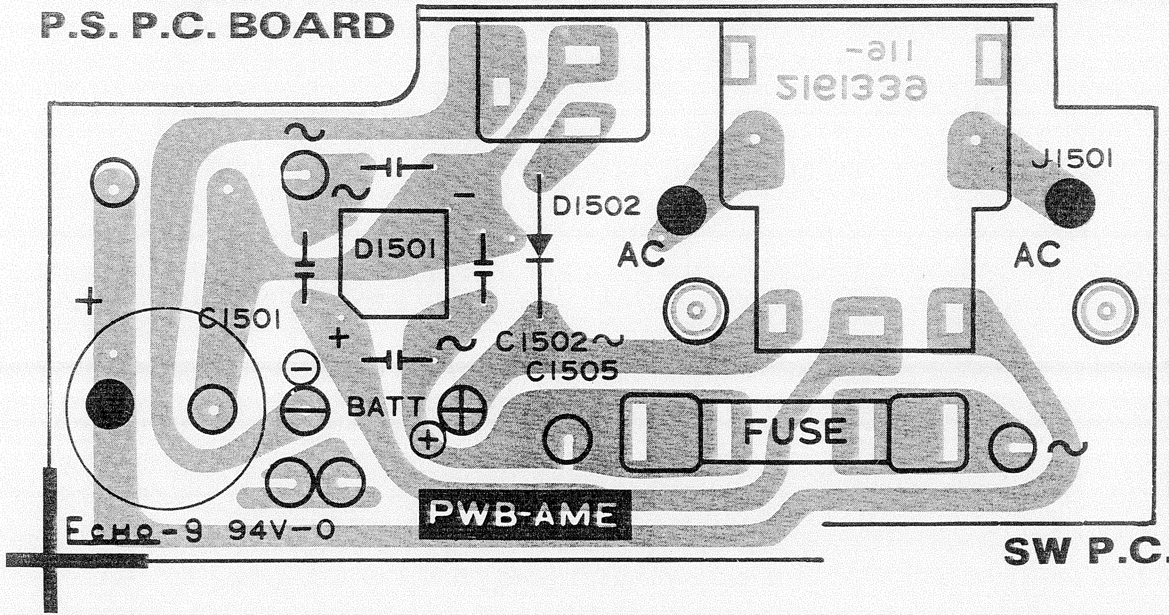
TONE P.C. BOARD

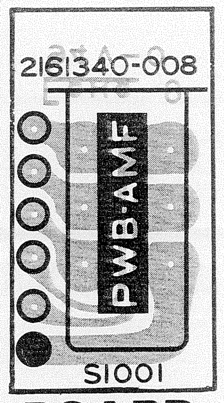

PWB-AMH
Q902
B
E
AL
C912
C906
C908
C904
C902
C930
C910
R908
C914
C918
C922
J10
R928
J10
R904
R902
R906
R914
R912
BASS
TREBLE
BALANCE
C916
J12.5
C920
E
Q904
R916
R920
R918
R913
AL
C911
C915
VR901
R927
C924
VR902
C923
C929
C909
VR902
R907
C913
VR903
C917
C921
C928
J15
R911
REC VL
MIXING
MODE
R930
C925
CN915
R901
R905
VR906
VR905
VR904
R919
R924
R925
NP
C919
Q901
C905
C901
C907
C903
R903
CN201
Q905
C927
R929
Q903
R915
R917
Echo-9 94V-0

VR P.C. BOARD

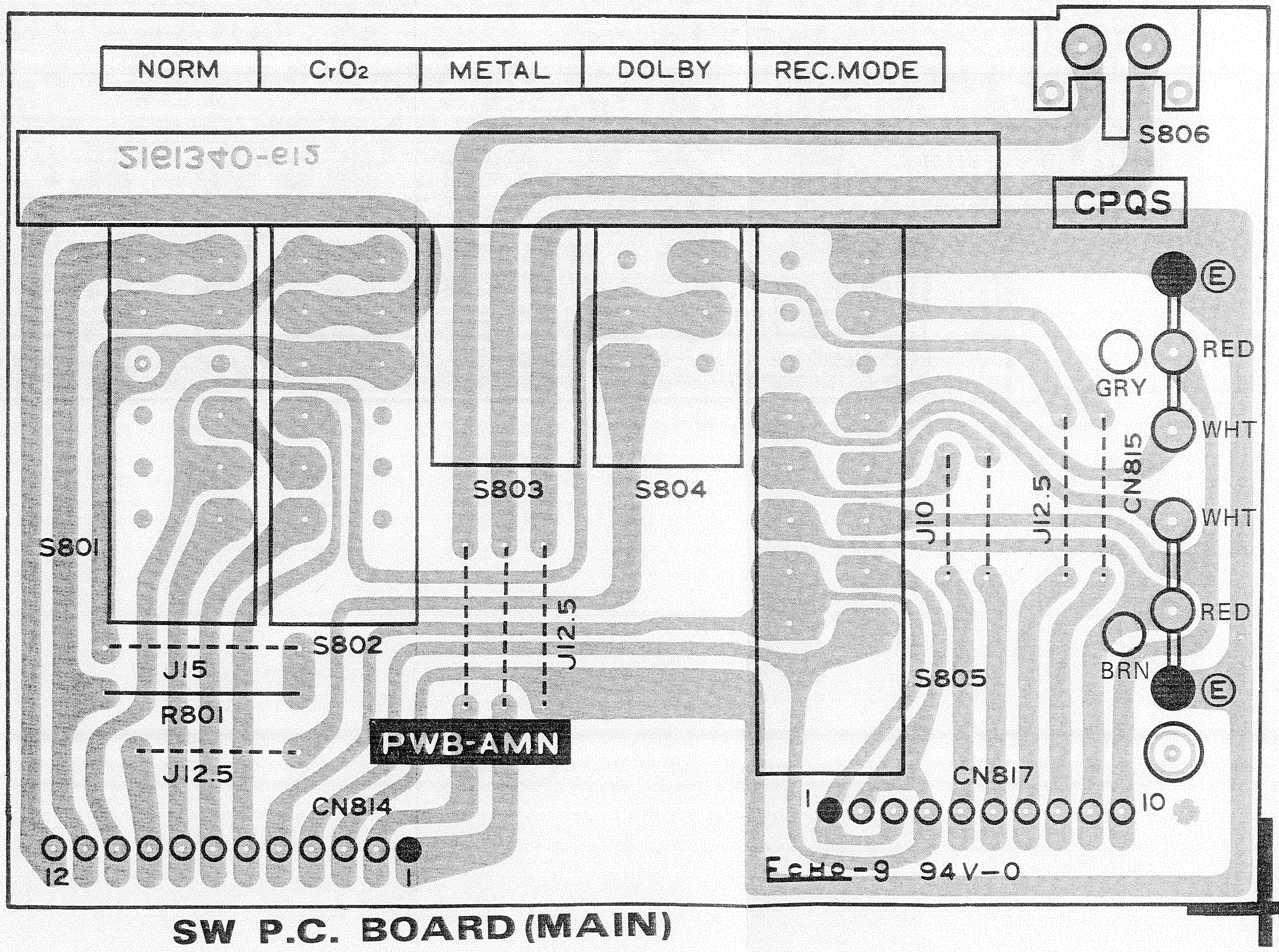

VOLUME
J10
BRN
GRY
WHT
RED
E
WHT
RED
E
C1003
R1003
R1004
C1004
PWB-AMP
C1001
C1002
VR1001
CN1012
Echo-9 94V-0

P.S. P.C. BOARD


~
~
D1501
+
C1501
+
BATT
D1502
AC
J1501
AC
C1502
C1505
FUSE
PWB-AME
Echo-9 94V-0

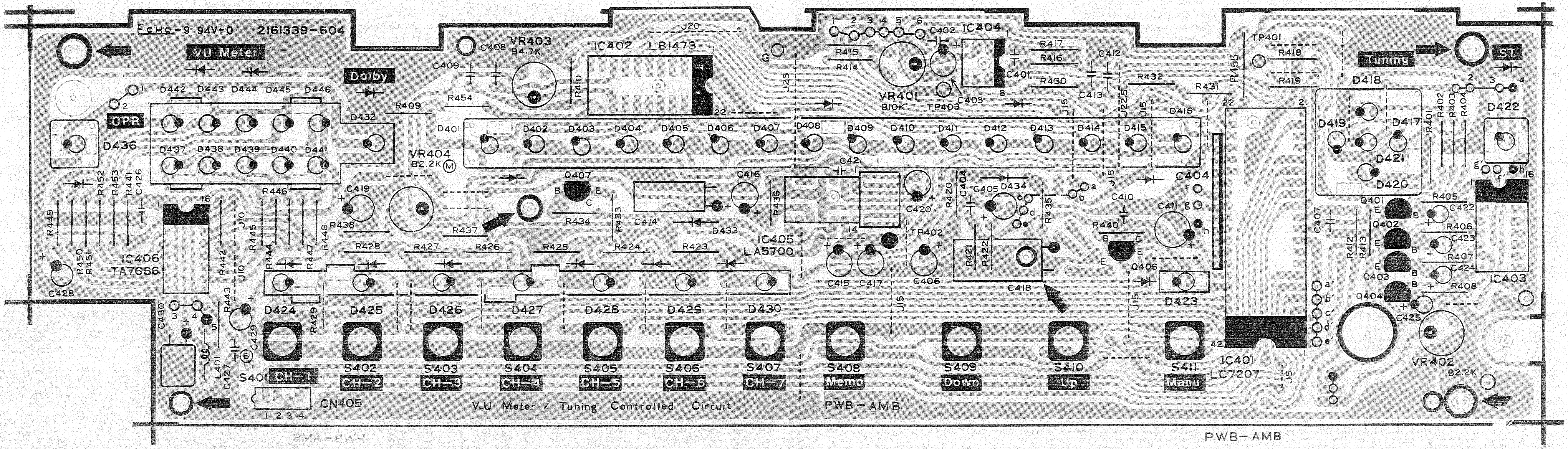

2161340-008
PWB-AMF
S1001

SW P.C. BOARD


NORM
CrO2
METAL
DOLBY
REC.MODE
S806
CPQS
E
RED
GRY
WHT
CN815
WHT
RED
BRN
E
S803
S804
S801
J10
J12.5
J12.5
S802
J15
R801
J12.5
PWB-AMN
S805
CN814
CN817
1
10
12
1
Echo-9 94V-0

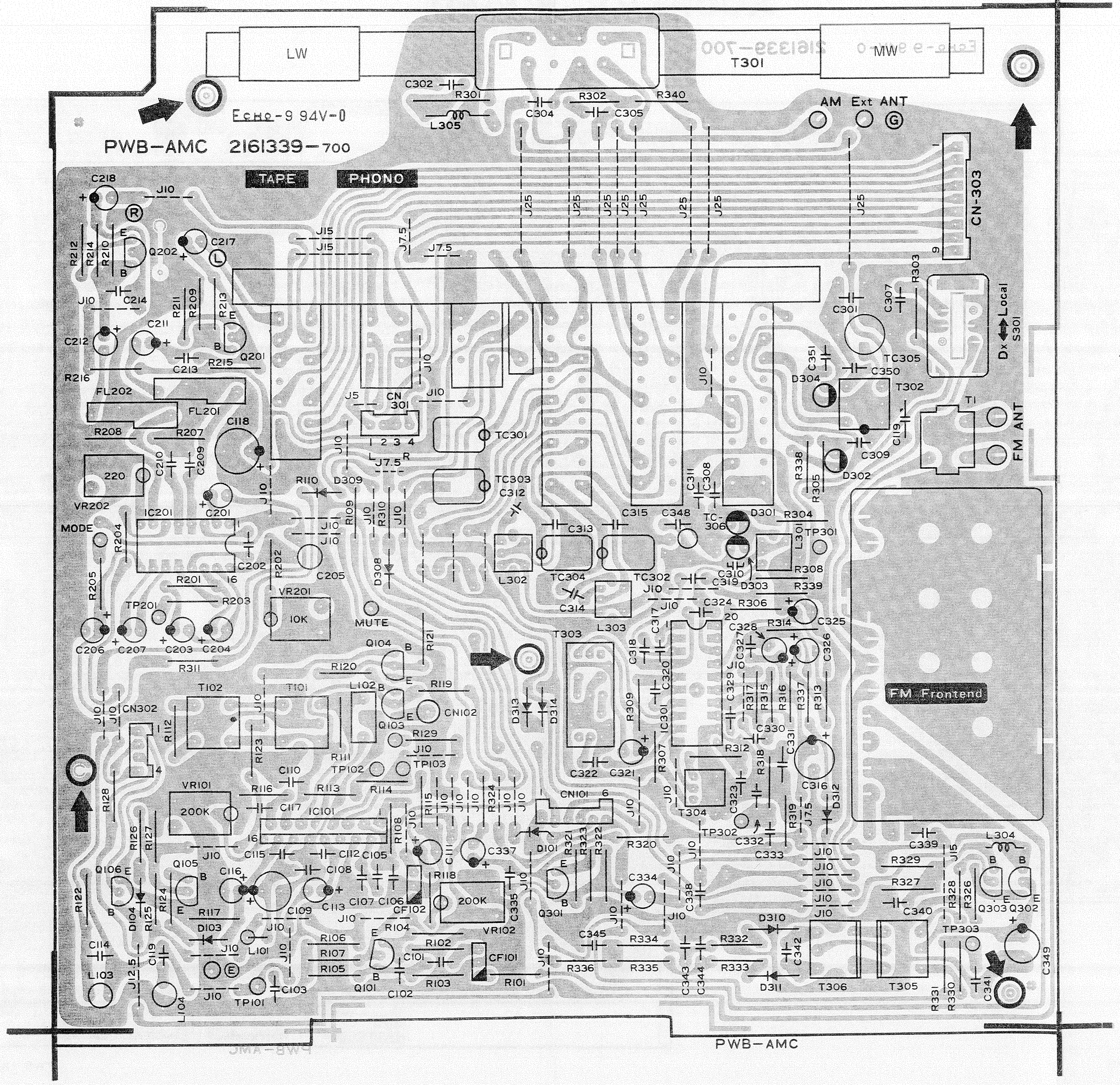
SW P.C. BOARD (MAIN)

CONTROL P.C. BOARD

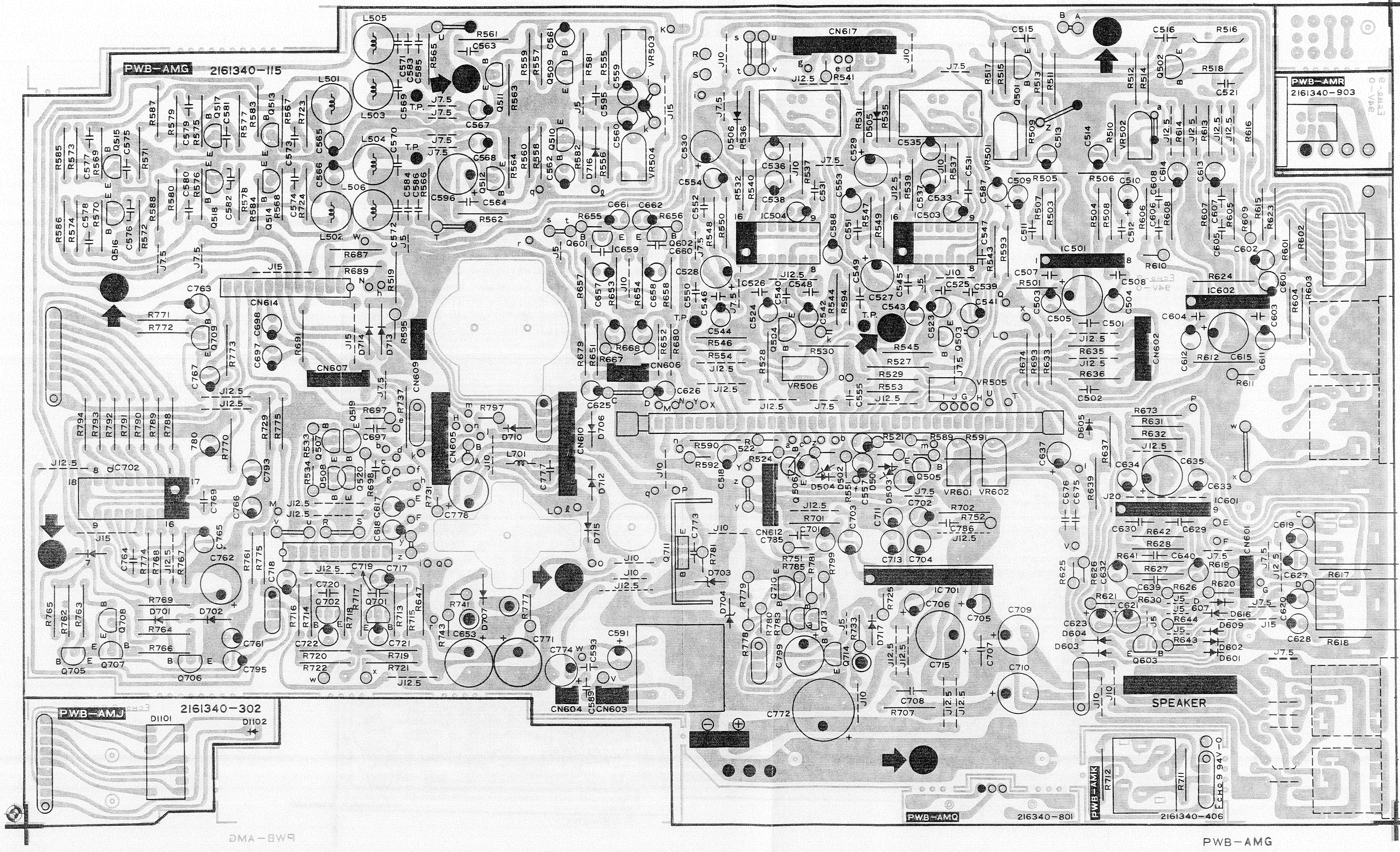


Echo-9 94V-0
2161339-604
VU Meter
Dolby
OPR
Tuning
ST
D436
D442 D443 D444 D445 D446
D437 D438 D439 D440 D441
D432
R409
R454
C408
VR403
B4.7K
C409
IC402 LB1473
J20
G
J25
1 2 3 4 5 6
R415
R414
VR401
B10K
C402
C403
TP403
IC404
R417
R416
C401
R430
C412
C413
R432
R431
R455
TP401
R418
R419
D418
D419
D417
D421
D420
D422
R401
R402
R403
R404
D401
D402 D403 D404 D405 D406 D407 D408 D409 D410 D411 D412 D413 D414 D415 D416
VR404
B2.2K
Q407
R434
R433
C414
D433
C416
R436
IC405
LA5700
C421
C420
R420
C404
C405
D434
R435
C410
C411
R440
Q406
D423
C418
C415 C417
C406
TP402
R421
R422
J15
J22
C419
R438
R437
R446
R448
R447
R444
R445
J10
R442
R443
C429
C430
C427
L401
R449
R450
R451
R452
R453
R441
C426
IC406
TA7666
C428
R428 R427 R426 R425 R424 R423
D424 D425 D426 D427 D428 D429 D430
S401 S402 S403 S404 S405 S406 S407 S408 S409 S410 S411
CH-1 CH-2 CH-3 CH-4 CH-5 CH-6 CH-7
Memo
Down
Up
Manu
CN405
1 2 3 4
V.U Meter / Tuning Controlled Circuit
PWB-AMB
IC401
LC7207
J5
C407
R412
R413
Q401
Q402
Q403
Q404
R405
C422
R406
C423
R407
C424
R408
C425
IC403
VR402
B2.2K
PWB-AMB

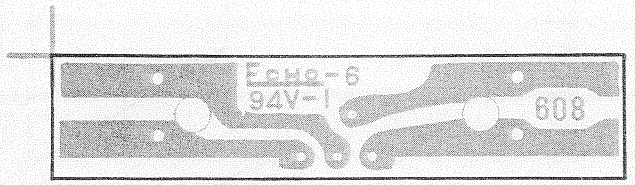
TUNER P.C. BOARD


LW
MW
T301
PWB-AMC 2161339-700
Ecно-9 94V-0
TAPE
PHONO
AM Ext ANT
CN-303
Dx Local S301
FM ANT
T1
FM Frontend
T302
T303
T304
T305
T306
T101
T102
IC101
IC201
IC301
CN101
CN301
CN302
VR101 200K
VR102 200K
VR201 10K
VR202 220
FL201
FL202
MUTE
MODE
Q101
Q103
Q104
Q105
Q106
Q201
Q202
Q301
Q302
Q303
TC301
TC302
TC303
TC304
TC305
CF101
CF102
L101
L102
L103
L104
L301
L302
L303
L304
L305
TP101
TP102
TP103
TP201
TP301
TP302
TP303
PWB-AMC

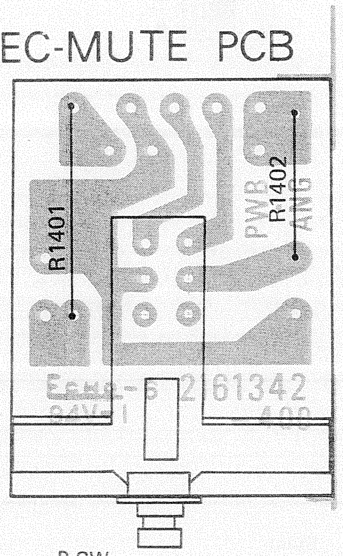
AUDIO P.C. BOARD

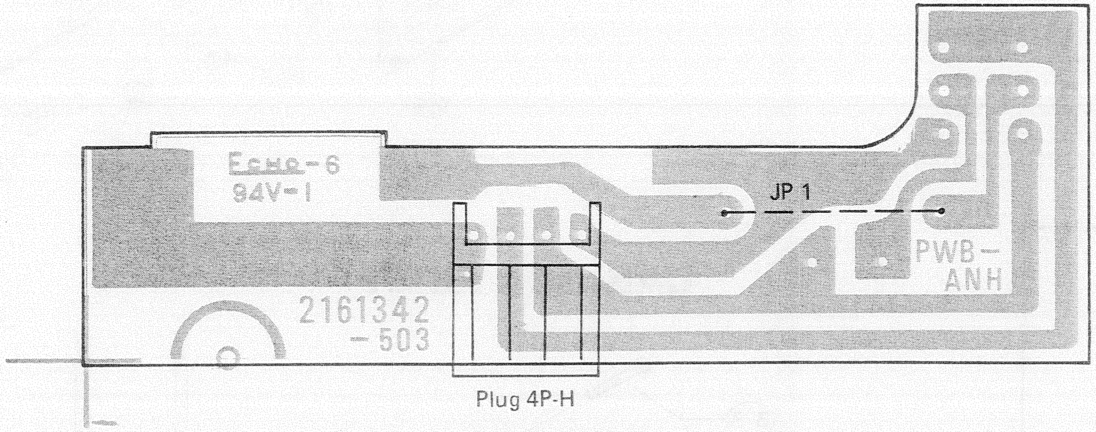

PWB-AMG
2161340-115
PWB-AMR
2161340-903
PWB-AMJ
2161340-302
PWB-AMQ
216340-801
PWB-AMK
2161340-406
SPEAKER
IC501
IC503
IC504
IC601
IC602
IC701
IC702
CN603
CN604
CN605
CN606
CN607
CN609
CN610
CN612
CN614
CN617
PWB-AMG

LED-B PCB


Echo-6
94V-1
608

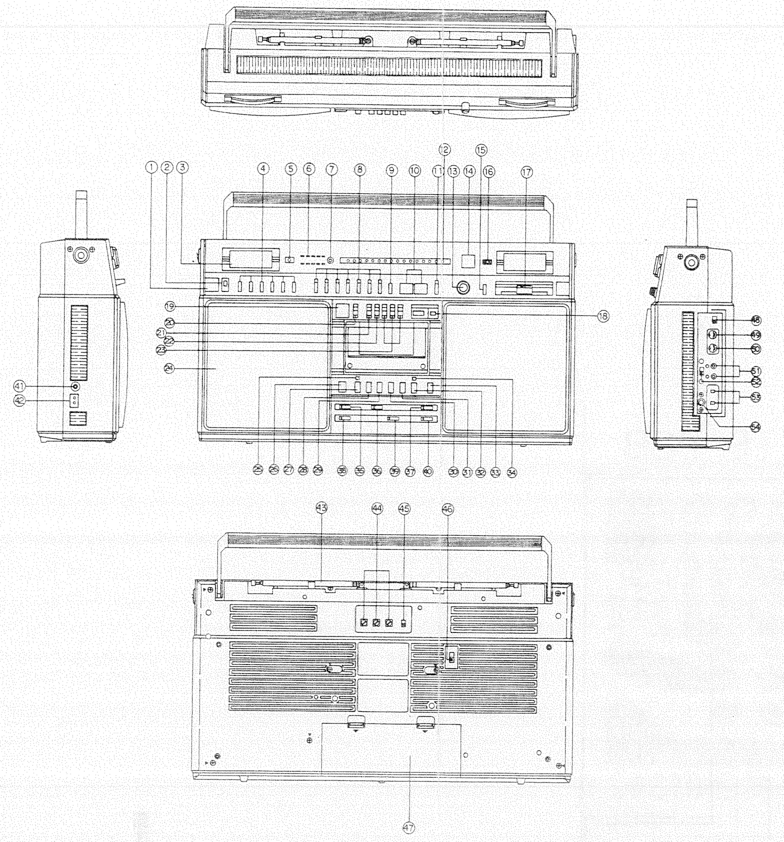
REC-MUTE PCB


R1401
R1402
PWB-ANG
Echo-6
94V-1
2161342
-400
P-SW


Echo-6
94V-1
JP 1
PWB-ANH
2161342
-503
Plug 4P-H

ANT PCB

LOCATION OF CONTROLS



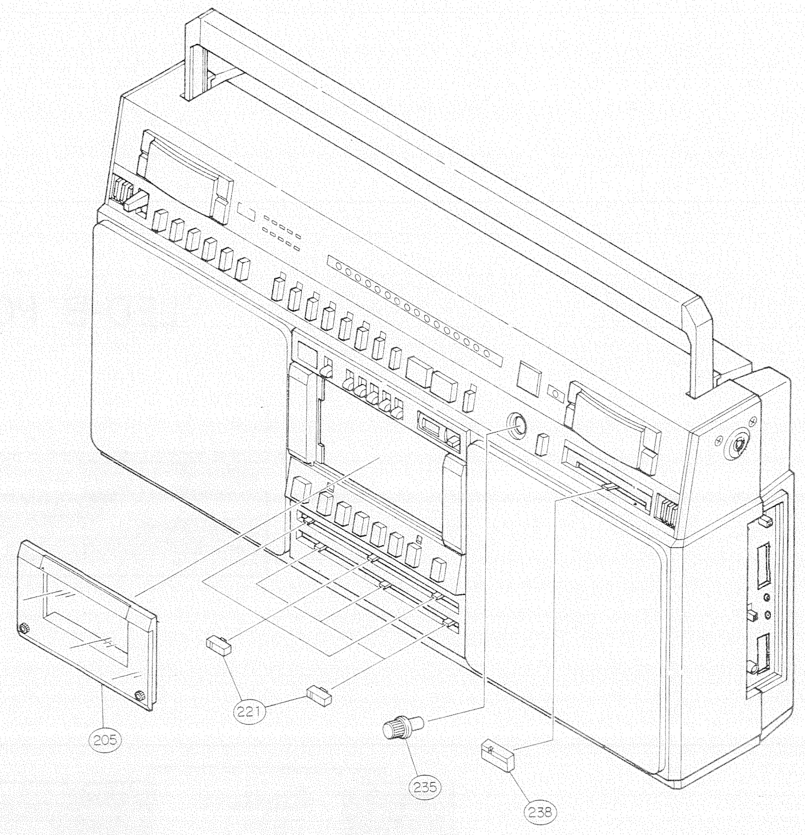
PARTS LIST

LOCATION OF CONTROLS

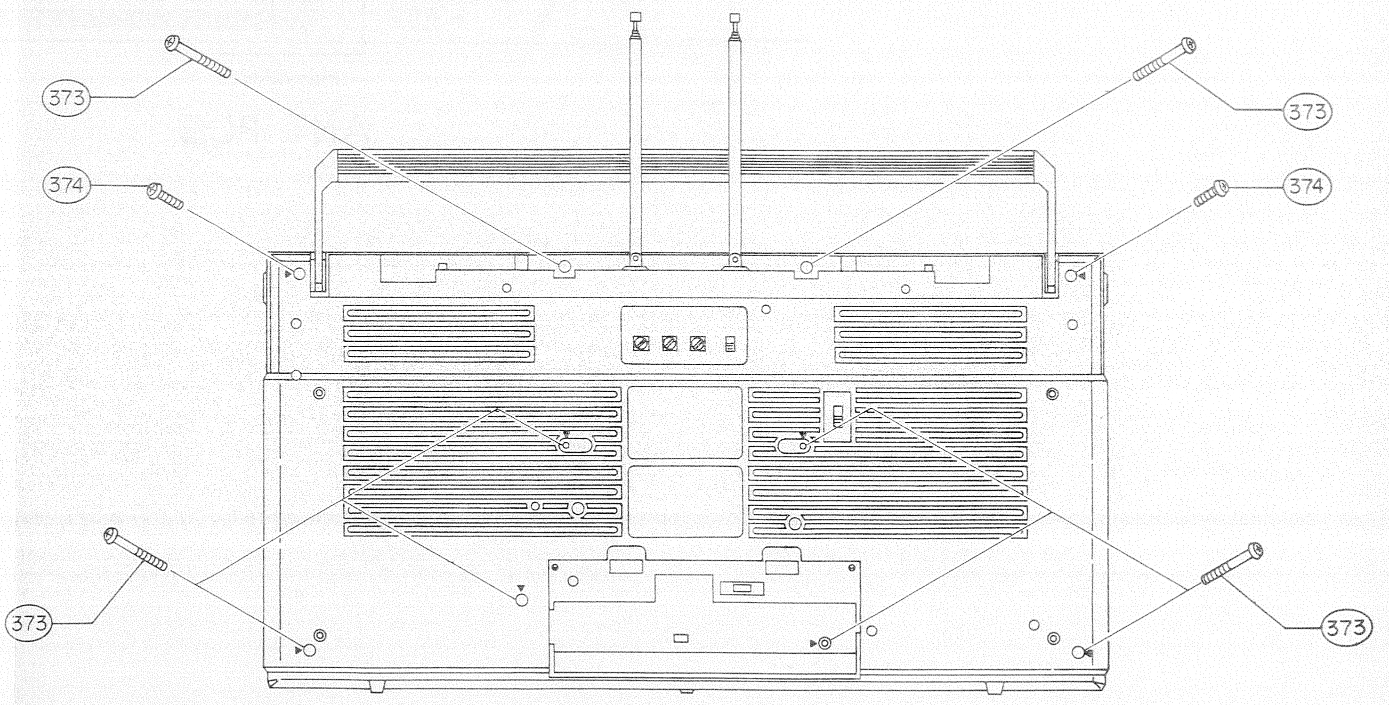
1	Condenser Mic
2	Power Switch
3	Tweeter
4	Tape-Phono/ Line-Band Selector
5	Power Indicator
6	Peak Level Indicator
7	Dolby NR Indicator
8	Band Memory
9	Memory
10	Up-Down Auto Tuning
11	Manual Tuning Switch
12	Frequency Tuning Indicator
13	Manual Tuning
14	Fine Tuning indicator
15	Loudness
16	Stereo Indicator
17	Volume
18	Tape Counter Reset Button
19	LED Display For CPQS Program
20	CPQS Program
21	Rec. Mode
22	Dolby NR Switch
23	Tape Selector, Metal-CrO_2-Norm
24	Speakers
25	Rec. Indicator
26	Eject
27	Record
28	Play
29	Rewind
30	Fast Forward
31	Stop
32	Pause
33	CPQS Clear & Rec. Mute
34	Pause Indicator
35	Bass
36	Treble
37	Balance
38	Rec. Level
39	Mic Mixing
40	Mono/Stereo/Wide Control
41	DC 12 ~ 15V Input Jack (Center Plus)
42	AC Socket
43	Telescopic Antenna
44	FM/AM Antenna Terminal
45	Antenna Selector
46	Sensitivity Selector
47	Battery Lid
48	Input Selector
49	Phono/AUX (LINE) Input
50	Tape Output
51	Left/Right Mic Inputs
52	Beat Cut Switch
53	Ext. SP Jacks
54	Headphone Jack

TO REMOVE CHASSIS

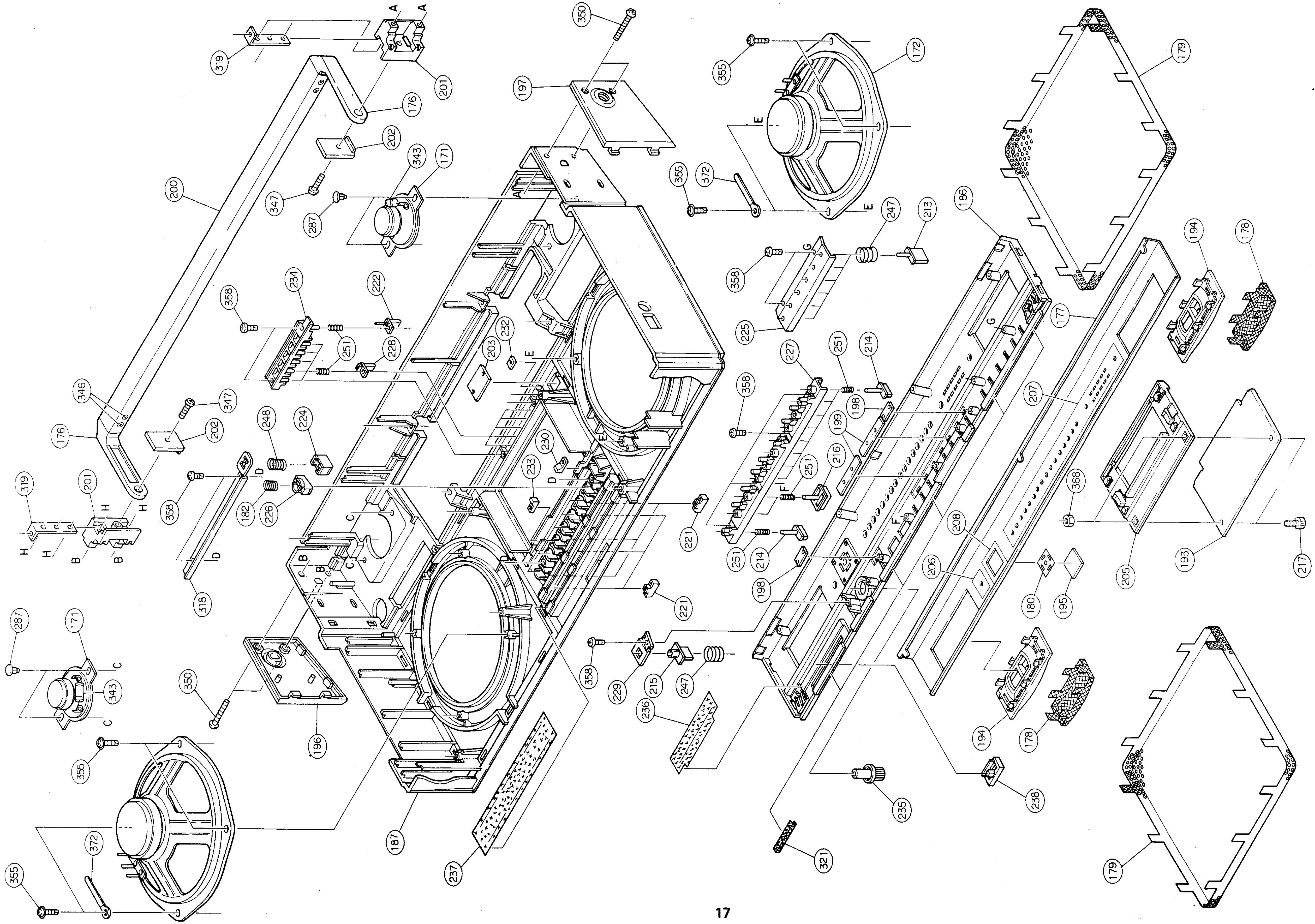
CABINET FRONT



CABINET REAR

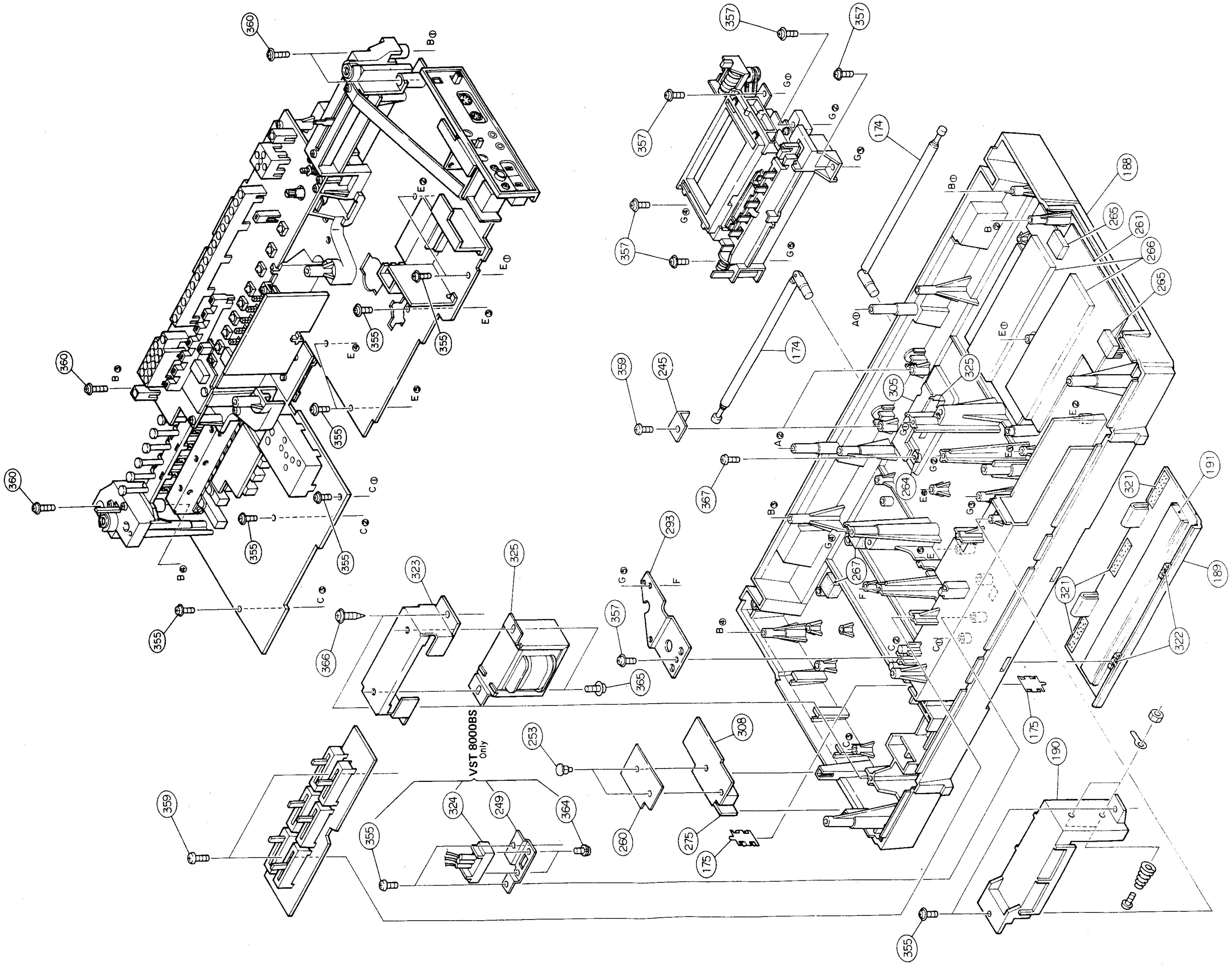


CABINET FRONT EXPLODED VIEW

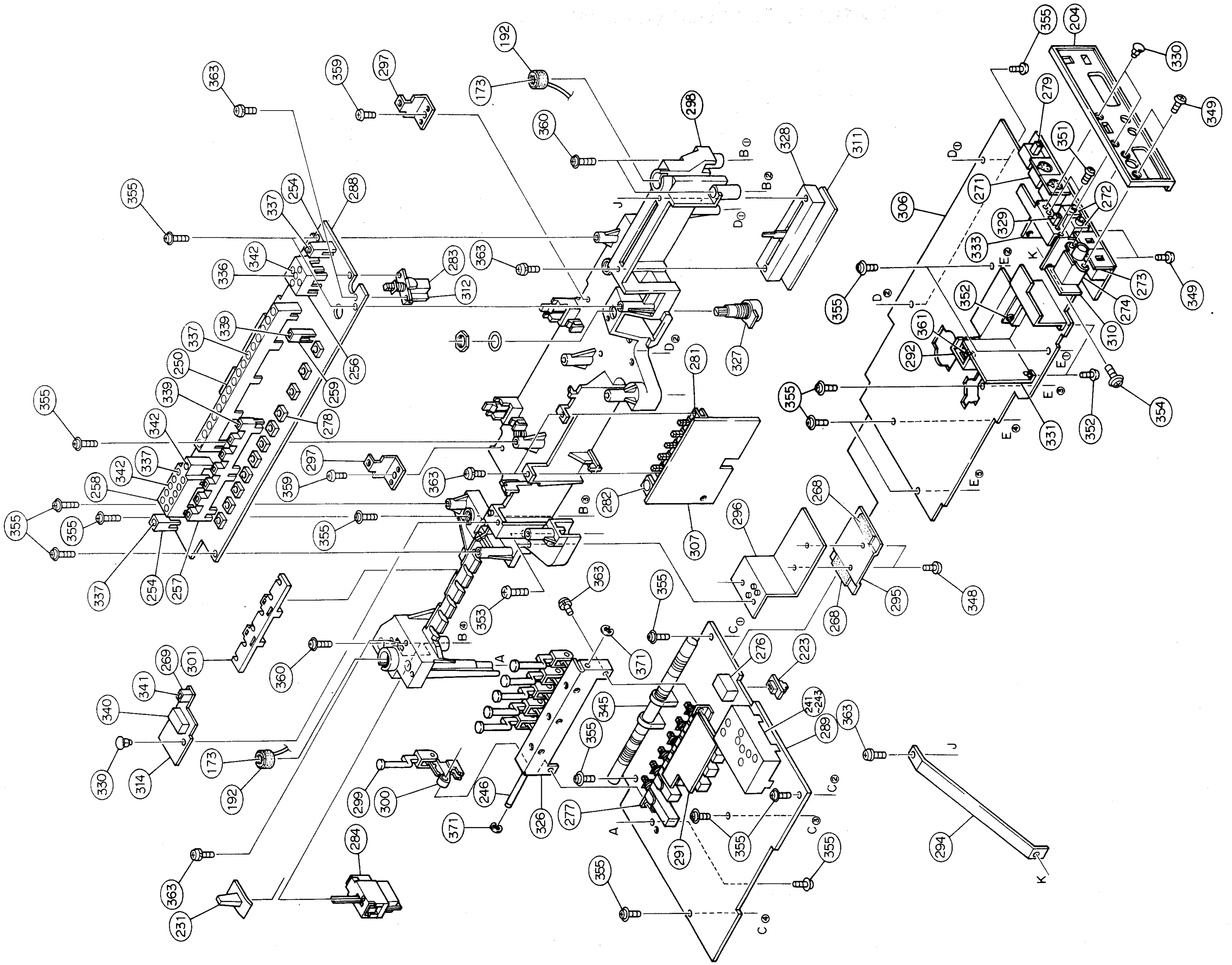


319
201
A
A
176
200
202
347
287
343
171
350
197
D
355
172
E
372
355
E
179
186
247
213
358
G
225
234
358
222
251
228
232
203
E
346
176
347
202
248
224
319
201
H
H
B
B
358
D
182
226
233
230
318
C
B
227
214
198
199
216
251
F
221
177
207
194
178
208
206
205
368
193
217
180
195
287
171
343
C
350
196
358
229
215
247
221
236
355
372
187
237
235
238
321
179

CABINET REAR EXPLODED VIEW

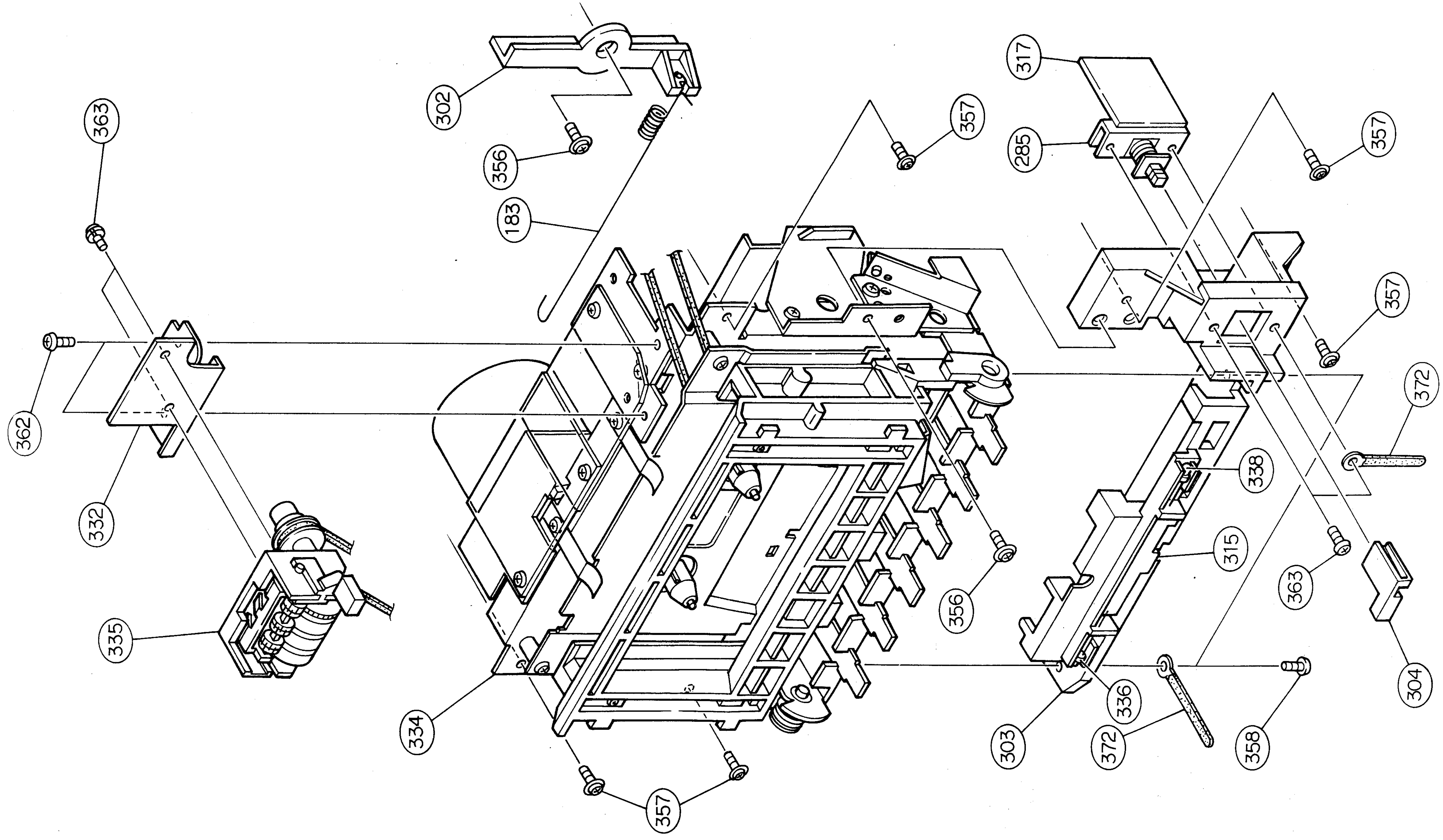

360
B①
360
B③
360
B⑤
355
355
355
355
355
355
E①
E②
E③
E④
E⑤
C①
C②
C③
323
325
366
365
357
357
357
357
357
G①
G②
G③
G④
G⑤
G⑥
293
F
359
245
367
174
174
A①
A②
188
265
261
266
265
325
305
264
267
B②
B④
321
191
189
322
321
175
175
190
308
253
260
275
VST 8000BS
Only
324
249
364
355
359
355

CONTROL DECK EXPLODED VIEW

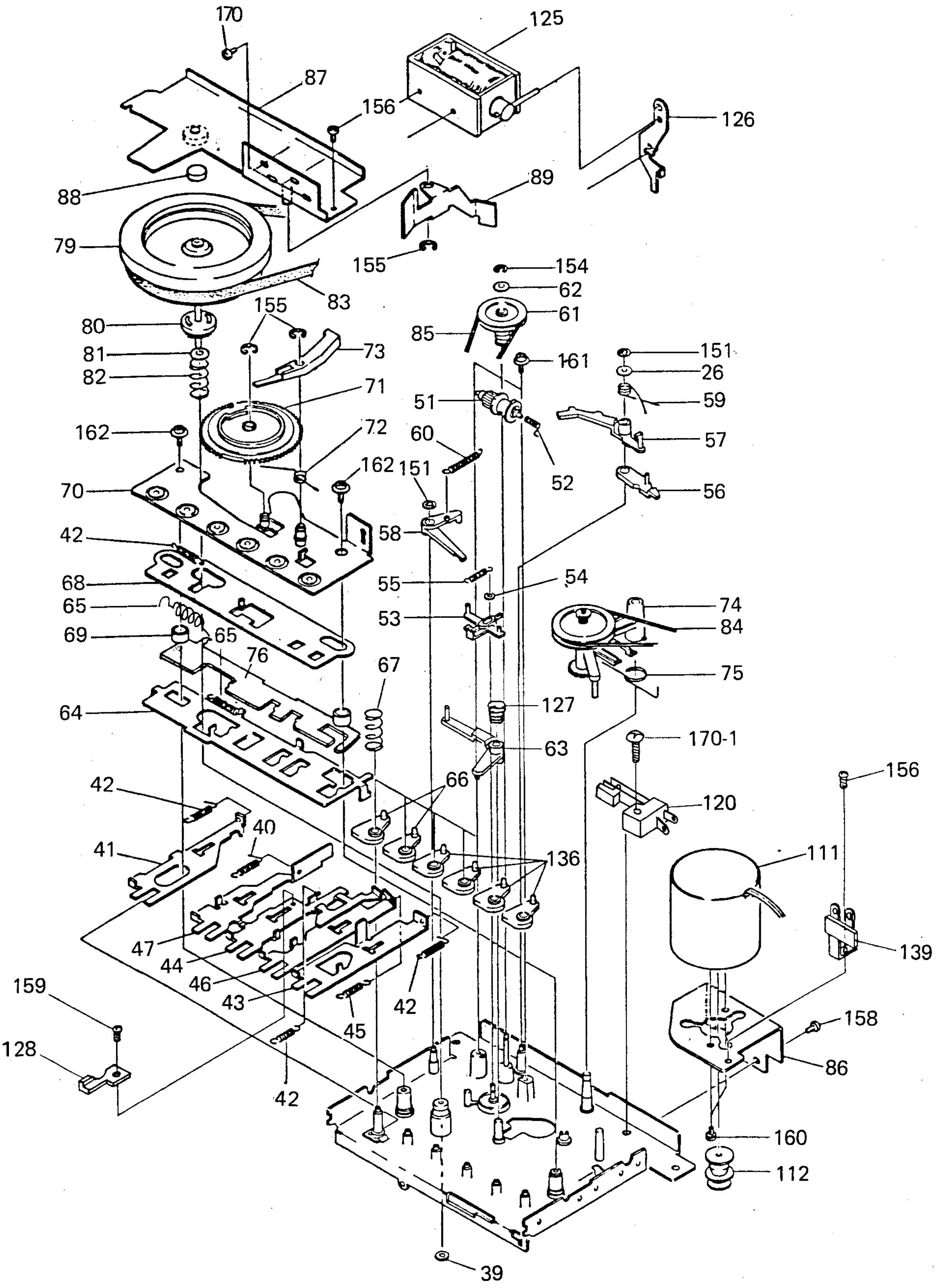


355
204
330
349
192
173
363
359
297
360
298
B①
B②
328
311
279
351
D①
271
329
272
306
333
K
E②
273
349
274
355
D②
352
361
310
292
E①
355
352
354
E③
331
E④
E⑤
355
337
254
288
342
336
J
D①
283
312
363
C
327
D②
281
339
337
250
256
259
278
339
342
355
297
359
363
282
B③
307
296
268
258
337
342
355
355
355
337
254
257
363
353
355
C①
276
223
348
295
268
B④
301
269
341
340
360
A
371
345
241-243
289
363
J
330
314
173
192
299
300
246
326
277
355
C②
C③
371
291
355
355
A
294
K
363
284
355
C④
231

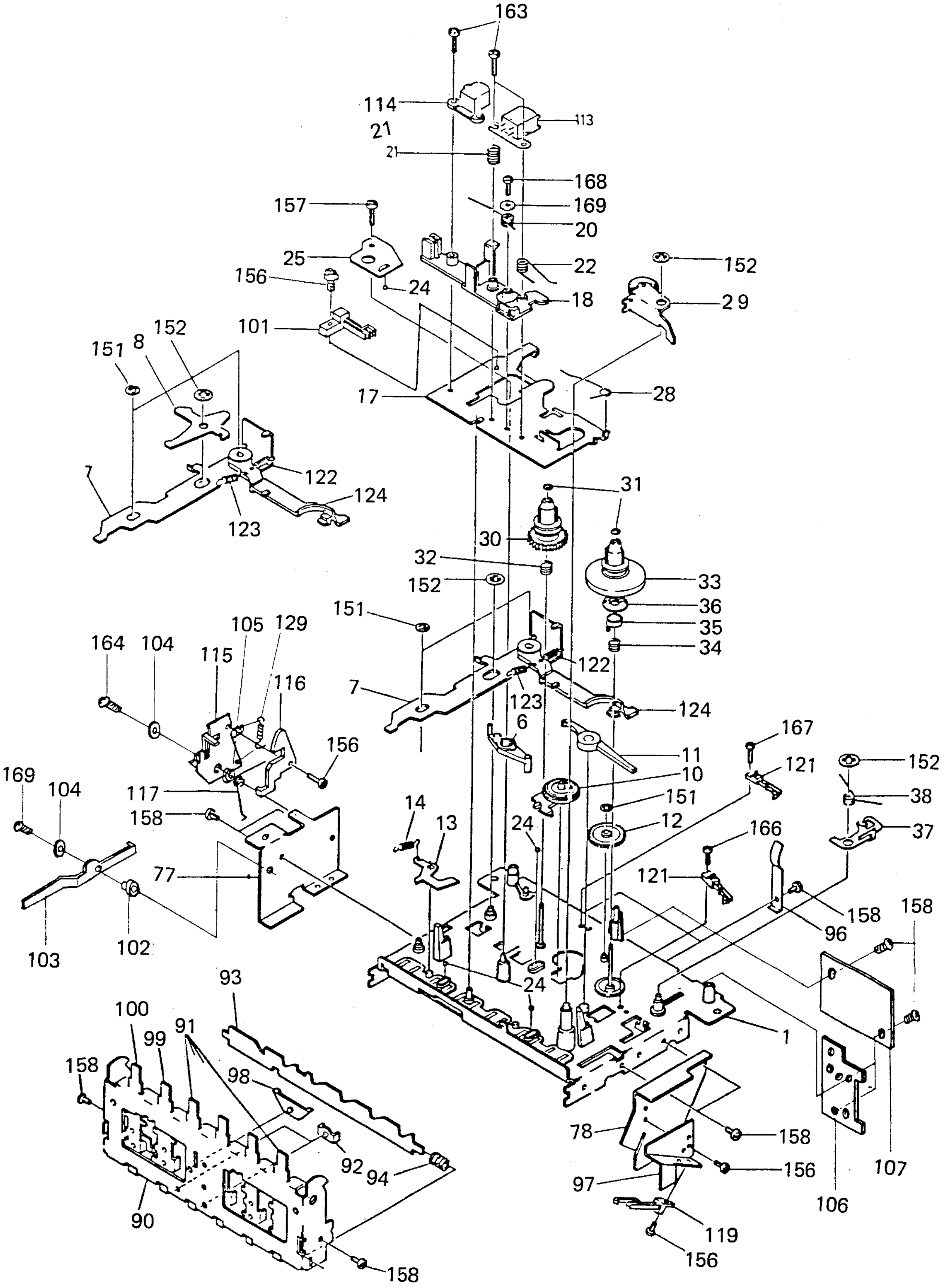
MECHANISM EXPLODED VIEW


302
356
183
363
357
317
285
357
357
362
332
372
338
335
315
363
356
304
334
303
336
372
358
357

CASSETTE MECHANISM EXPLODED VIEW (1)

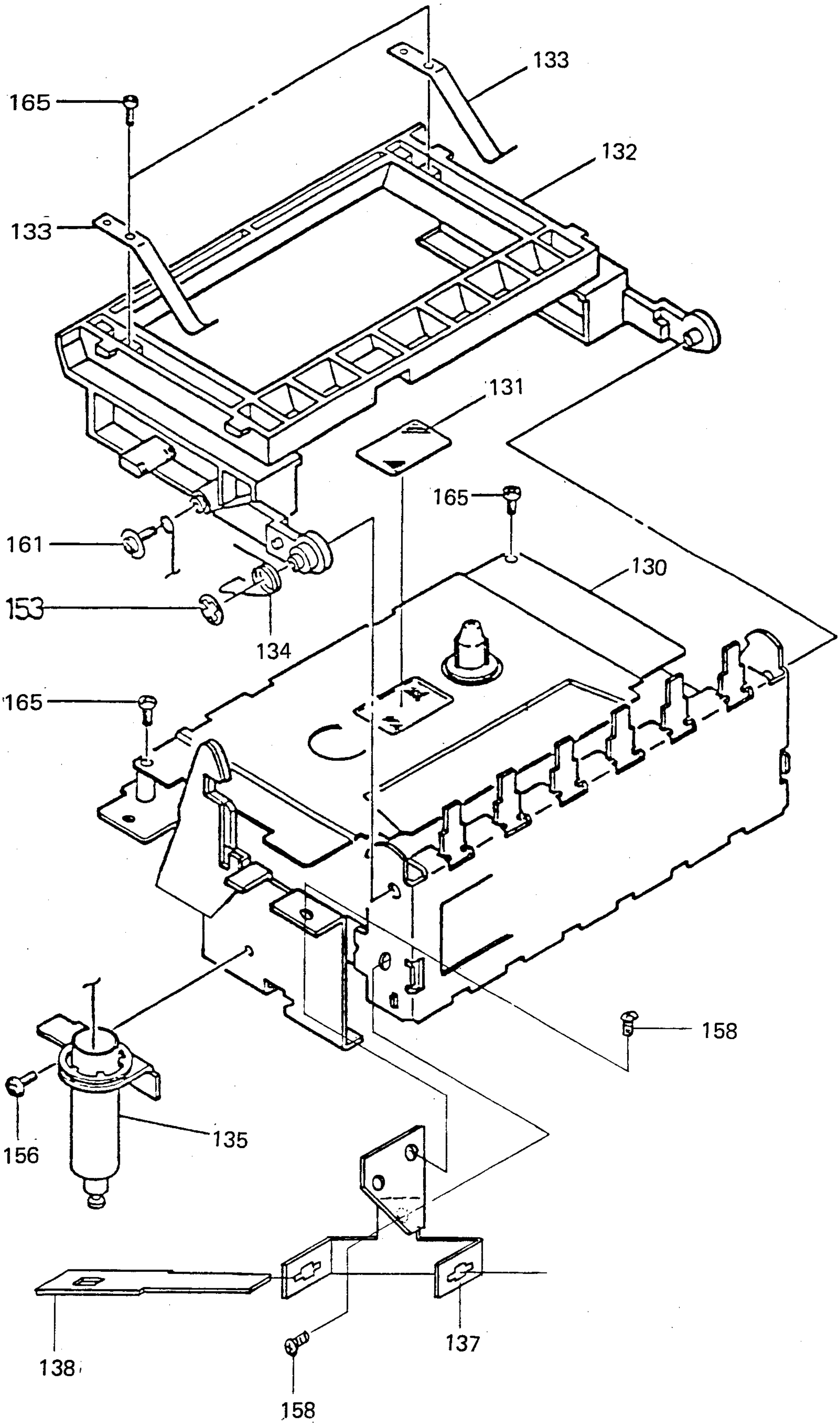

170
125
87
156
126
88
89
79
155
154
62
83
61
80
155
85
81
73
161
151
82
26
71
51
59
162
72
57
60
162
151
52
70
56
42
58
68
55
54
65
74
53
84
69
65
76
67
75
64
127
63
170-1
156
42
66
120
40
111
41
136
47
44
139
159
46
43
42
158
45
128
86
42
160
112
39

CASSETTE MECHANISM EXPLODED VIEW (2)



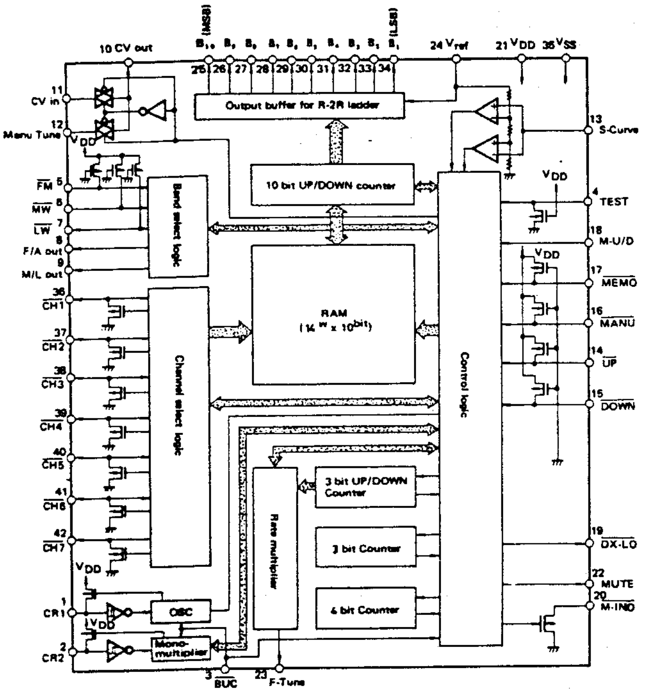
163
114
113
21
21
168
157
169
20
25
22
156
24
18
152
29
151
8
152
101
17
28
7
122
124
123
31
30
32
33
152
36
151
35
164
104
105
129
34
115
122
116
7
123
124
6
156
167
11
169
104
121
152
10
117
151
38
158
14
12
13
24
37
166
77
121
158
158
96
103
102
93
24
100
91
1
99
158
98
78
158
92
94
156
97
107
106
90
119
156
158

CASSETTE MECHANISM EXPLODED VIEW (3)

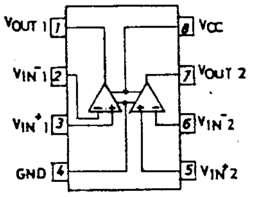

133
165
132
133
131
165
161
130
153
134
165
158
156
135
138
158
137

ICS INTERCONNECTION

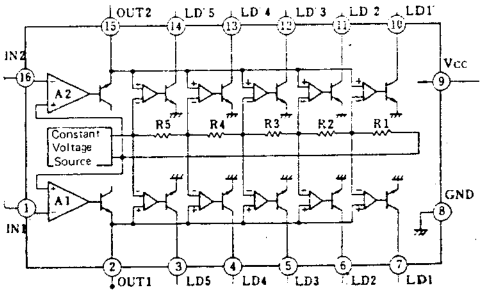
LC7207


10 CV out
(MSB)
B10 B9 B8 B7 B6 B5 B4 B3 B2 B1
(LSB)
25 26 27 28 29 30 31 32 33 34
24 Vref
21 VDD
35 VSS
11 CV in
12 Menu Tune
VDD
5 FM
6 MW
7 LW
8 F/A out
9 M/L out
36 CH1
37 CH2
38 CH3
39 CH4
40 CH5
41 CH6
42 CH7
VDD
1 CR1
VDD
2 CR2
3 BUC
23 F-Tune
Output buffer for R-2R ladder
10 bit UP/DOWN counter
Band select logic
Channel select logic
RAM (14 W x 10 bit)
Control logic
Rate multiplier
3 bit UP/DOWN Counter
3 bit Counter
4 bit Counter
OSC
Mono-multiplier
13 S-Curve
VDD
4 TEST
18 M-U/D
VDD
17 MEMO
16 MANU
14 UP
15 DOWN
19 DX-LO
22 MUTE
20 M-IND

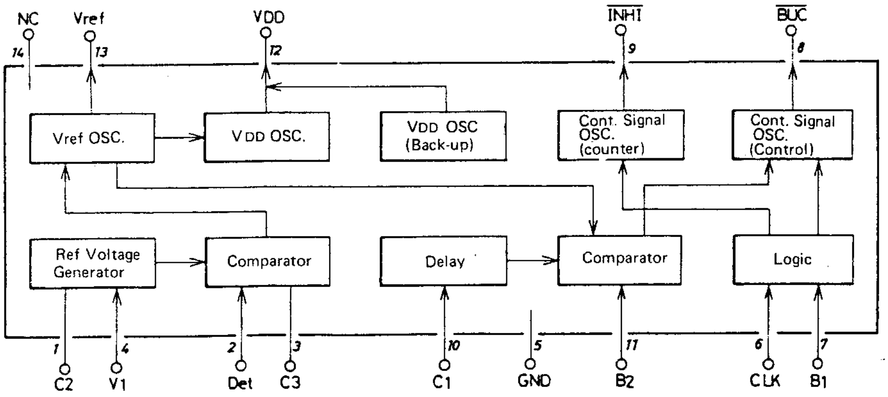
LA6358 **Dual Operational Amplifier**


VOUT 1 1
VIN⁻ 1 2
VIN⁺ 1 3
GND 4
8 VCC
7 VOUT 2
6 VIN⁻ 2
5 VIN⁺ 2

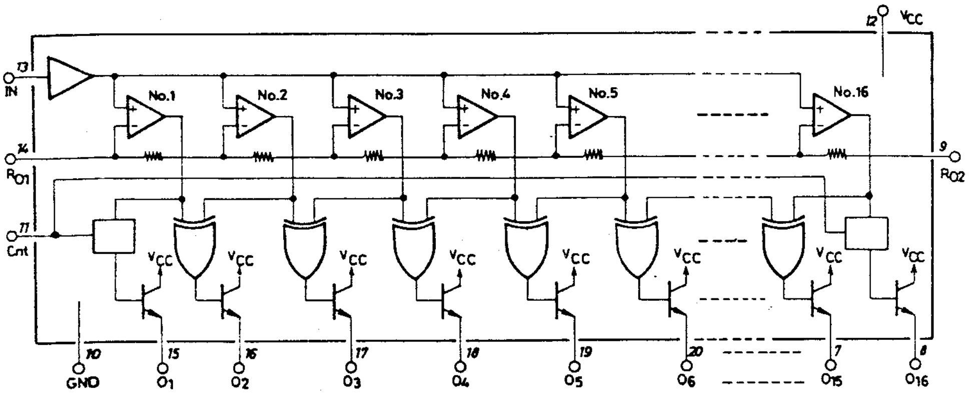
TA7666P


OUT2
LD5
LD4
LD3
LD2
LD1
15
14
13
12
11
10
IN2
16
A2
Constant Voltage Source
R5
R4
R3
R2
R1
Vcc
9
A1
1
IN1
GND
8
2
3
4
5
6
7
OUT1
LD5
LD4
LD3
LD2
LD1

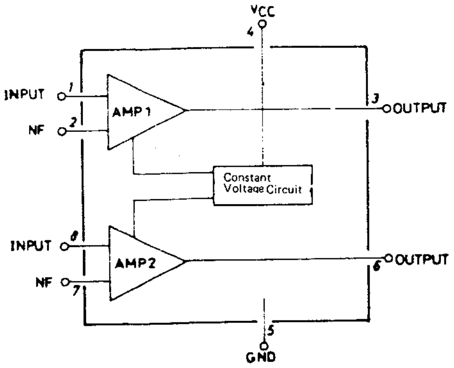
LA5700


NC
14
Vref
13
VDD
12
INH1
9
BUC
8
Vref OSC.
VDD OSC.
VDD OSC (Back-up)
Cont. Signal OSC. (counter)
Cont. Signal OSC. (Control)
Ref Voltage Generator
Comparator
Delay
Comparator
Logic
1 C2
4 V1
2 Det
3 C3
10 C1
5 GND
11 B2
6 CLK
7 B1

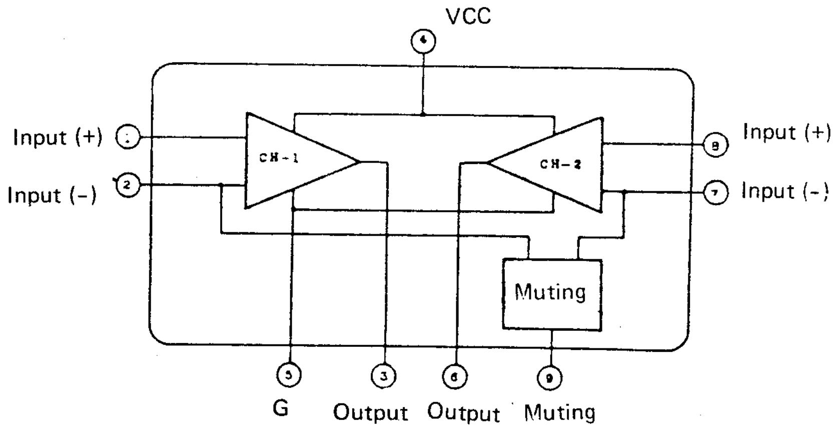
LB1473 Indicates receiving frequency by 16 point LED's (linear like).


13
IN
14
RO1
11
Cnt
12
VCC
No.1
No.2
No.3
No.4
No.5
No.16
9
RO2
VCC
10
GND
15
O1
16
O2
17
O3
18
O4
19
O5
20
O6
7
O15
8
O16

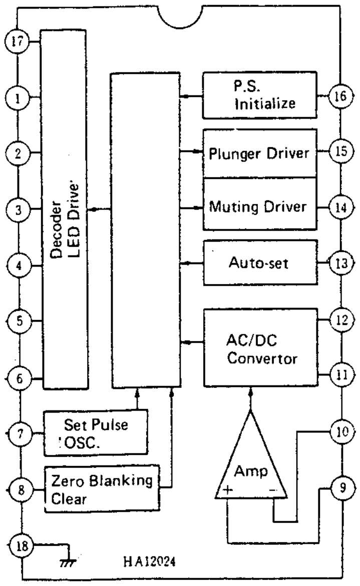
LA3161 Dual preamplifiers and voltage regulator.


VCC
4
INPUT
1
NF
2
AMP 1
3
OUTPUT
Constant Voltage Circuit
INPUT
8
NF
7
AMP2
6
OUTPUT
5
GND

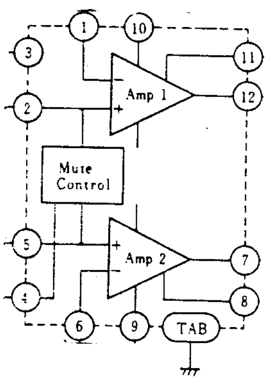
TA7325P


VCC
4
Input (+)
1
Input (-)
2
CH-1
CH-2
8
Input (+)
7
Input (-)
Muting
5
3
6
9
G
Output
Output
Muting

HA12024 Tape Program Selection System

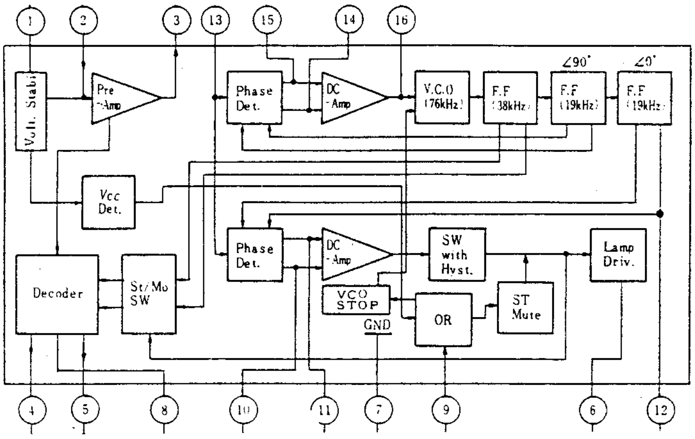

17
1
2
3
4
5
6
7
8
18
Decoder LED Drive
P.S. Initialize
Plunger Driver
Muting Driver
Auto-set
AC/DC Convertor
Set Pulse OSC.
Zero Blanking Clear
Amp
+
-
16
15
14
13
12
11
10
9
HA12024

HA1392 Dual 4 to 7W Audio Power Amplifiers

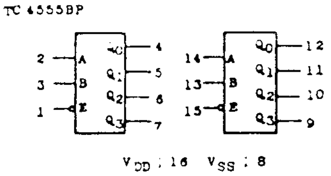

1
10
3
11
2
Amp 1
12
Mute Control
5
Amp 2
7
4
8
6
9
TAB

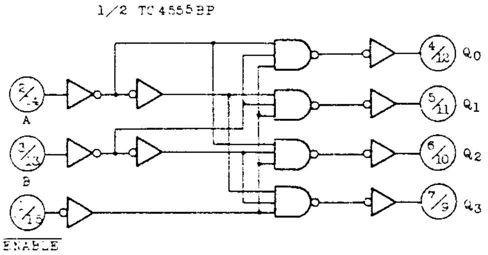
HA12026

PLL FM Demodulator for Portable and Car Radio

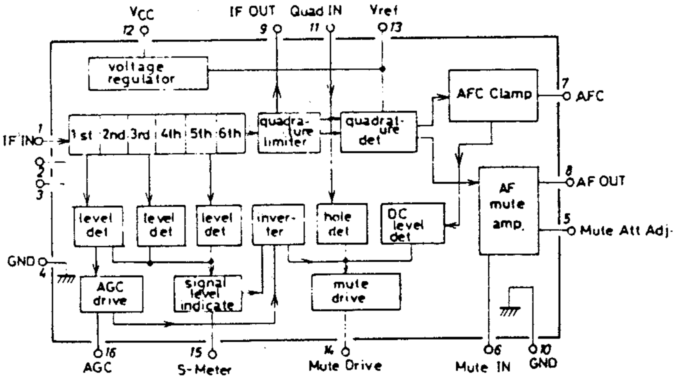

Volt. Stabi
Pre-Amp
Phase Det.
DC-Amp
V.C.O (76kHz)
F.F (38kHz)
∠90° F.F (19kHz)
∠0° F.F (19kHz)
Vcc Det.
Phase Det.
DC-Amp
SW with Hyst.
Lamp Driv.
VCO STOP
GND
OR
ST Mute
Decoder
St/Mo SW
1 2 3 13 15 14 16
4 5 8 10 11 7 9 6 12

DUAL BINARY TO 1-OF-4 DECODER/DEMULTIPLEXER ('H' – LEVEL)

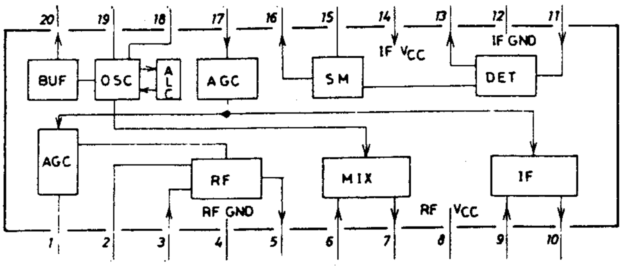

TC 4555BP
2 A
3 B
1 E
Q0 4
Q1 5
Q2 6
Q3 7
14 A
13 B
15 E
Q0 12
Q1 11
Q2 10
Q3 9
VDD : 16 VSS : 8


1/2 TC4555BP
2/14 A
3/13 B
1/15 ENABLE
4/12 Q0
5/11 Q1
6/10 Q2
7/9 Q3

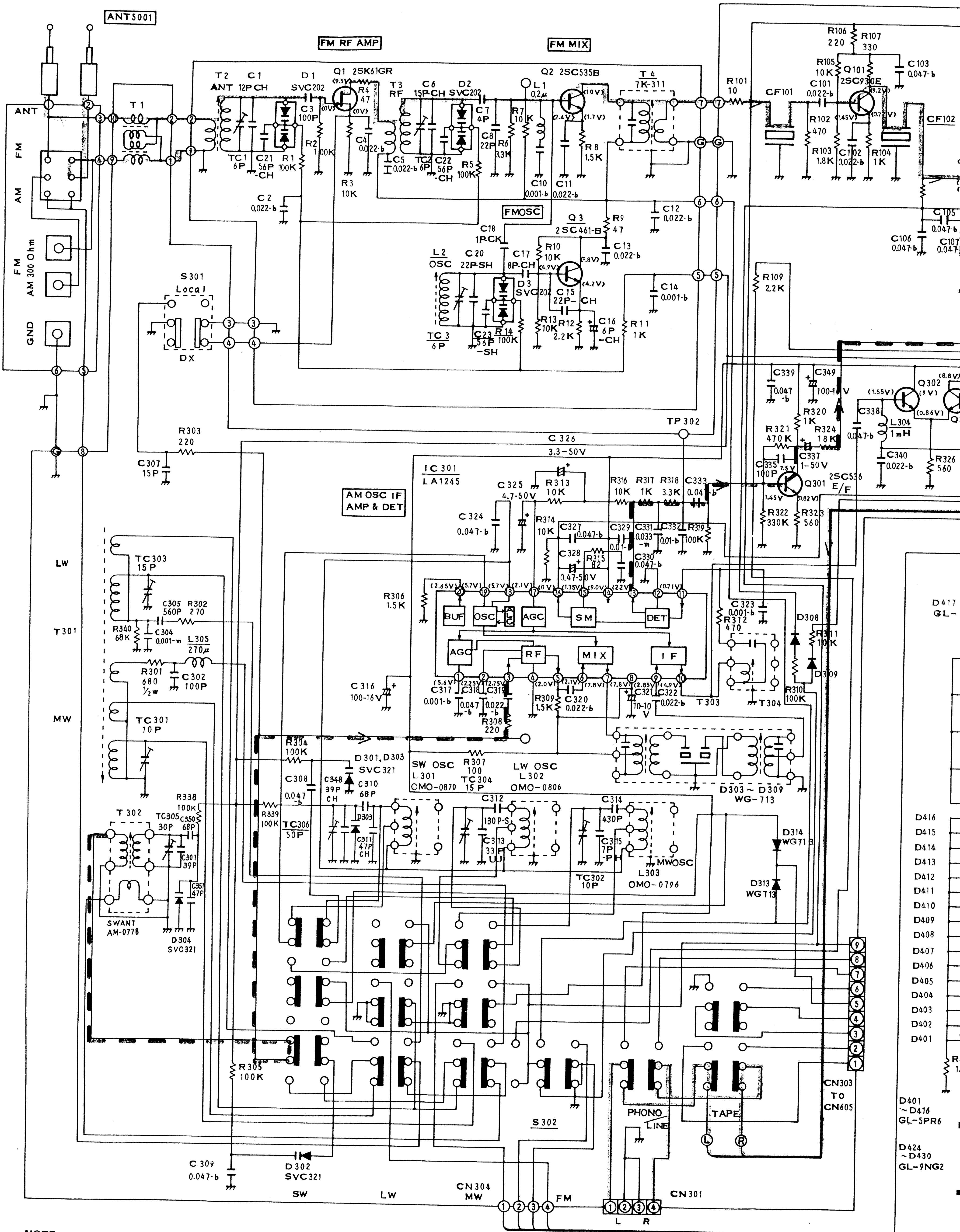
LA1140


VCC 12
IF OUT 9
Quad IN 11
Vref 13
voltage regulator
IF IN 1
2
3
1st 2nd 3rd 4th 5th 6th
quadrature limiter
quadrature det
AFC Clamp
7 AFC
AF mute amp.
8 AF OUT
5 Mute Att Adj.
GND 4
level det
level det
level det
inverter
hole det
DC level det
AGC drive
signal level indicate
mute drive
16 AGC
15 S-Meter
14 Mute Drive
6 Mute IN
10 GND

LA1245


20 19 18 17 16 15 14 13 12 11
IF VCC
IF GND
BUF
OSC
ALC
AGC
SM
DET
AGC
RF
MIX
IF
RF GND
RF VCC
1 2 3 4 5 6 7 8 9 10

CIRCUIT DI


ANT5001
FM RF AMP
FM MIX
FMOSC
ANT
FM
AM
FM AM 300 Ohm
GND
T1
T2 ANT
C1 12P CH
D1 SVC202
Q1 2SK61GR
T3 RF
C6 15P CH
D2 SVC202
Q2 2SC535B
L1 0.2μ
T4 7K-311
R101 10
CF101
R106 220
R107 330
R105 10K
Q101 2SC930E
C103 0.047-b
C101 0.022-b
R102 470
R103 1.8K
C102 0.022-b
R104 1K
CF102
Q3 2SC461-B
R9 47
C12 0.022-b
C13 0.022-b
C14 0.001-b
L2 OSC
C20 22P-SH
C17 8P-CH
C18 1P-CK
D3 SVC202
C15 22P-CH
C16 6P -CH
TC3 6P
C23 56P -SH
R14 100K
R109 2.2K
S301 Local
DX
R303 220
C307 15P
TP302
C326 3.3-50V
IC301 LA1245
AM OSC IF AMP & DET
BUF
OSC
ALC
AGC
SM
DET
RF
MIX
IF
C339 0.047-b
C349 100-16V
Q302
L304 1mH
Q301 2SC536 E/F
R320 1K
R321 470K
R324 18K
C337 1-50V
C340 0.022-b
R326 560
C338 0.047-b
R322 330K
R323 560
D308
R311 10K
D309
R310 100K
T303
T304
D303 ~ D309 WG-713
D314 WG713
D313 WG713
LW
MW
T301
TC303 15P
C305 560P
R302 270
R340 68K
C304 0.001-m
L305 270μ
R301 680 1/2W
C302 100P
TC301 10P
T302
TC305 30P
C350 68P
C301 39P
C351 47P
SWANT AM-0778
D304 SVC321
R338 100K
R304 100K
R339 100K
C308 0.047-b
TC306 50P
D301, D303 SVC321
C348 39P CH
C310 68P
C311 47P CH
SW OSC L301 OMO-0870
R307 100
TC304 15P
LW OSC L302 OMO-0806
C312 130P-S
C313 33P
C314 430P
C315 7P -PH
MWOSC L303 OMO-0796
TC302 10P
R305 100K
C309 0.047-b
D302 SVC321
S302
PHONO
LINE
TAPE
L
R
SW
LW
CN304 MW
FM
CN301
CN303 TO CN605
D401 ~D416 GL-5PR6
D424 ~D430 GL-9NG2
D417 GL-

NOTE:

1. Switch Position : SW
2. Capacitors

Values	:	μF, p=PF (μF=10^{-6}F, PF=10^{-12}F)
Tolerance	:	±20% (Electrolytic), ±10% (No mark), J=±5%
No Mark	:	Ceramic
b	:	Ceramic
s	:	Polystylene
m	:	Mylar
⧣	:	Electrolytic

3. Resistor

Values	:	Ohm (K=10^3 ohm, M=10^6 ohm)
Tolerance	:	±5%
Waltage	:	1/4W (No Mark)

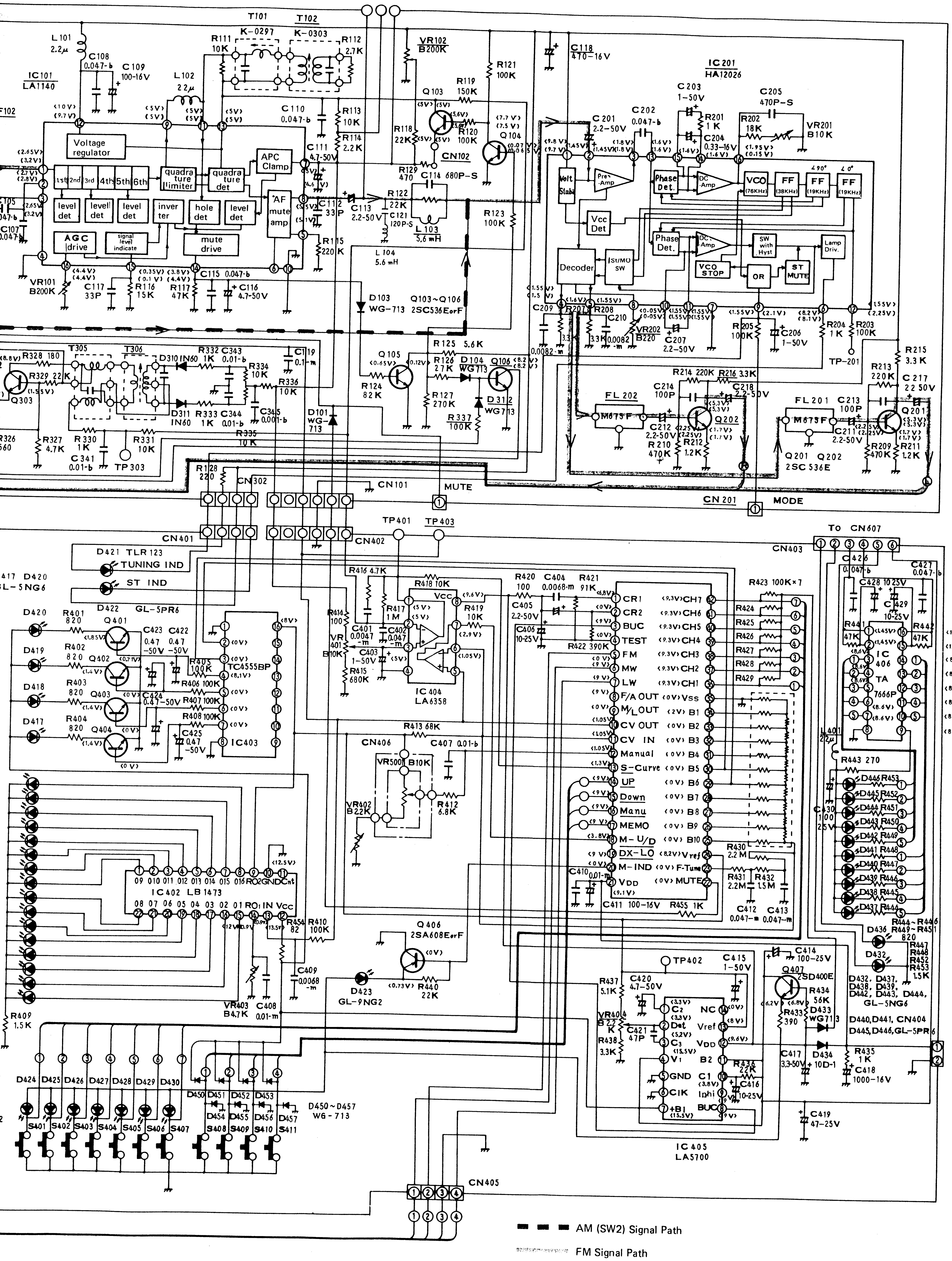
4. Voltage

< >	:	FM Position
( )	:	AM Position

Caution:

This circuit diagram

DIAGRAM (TUNER)

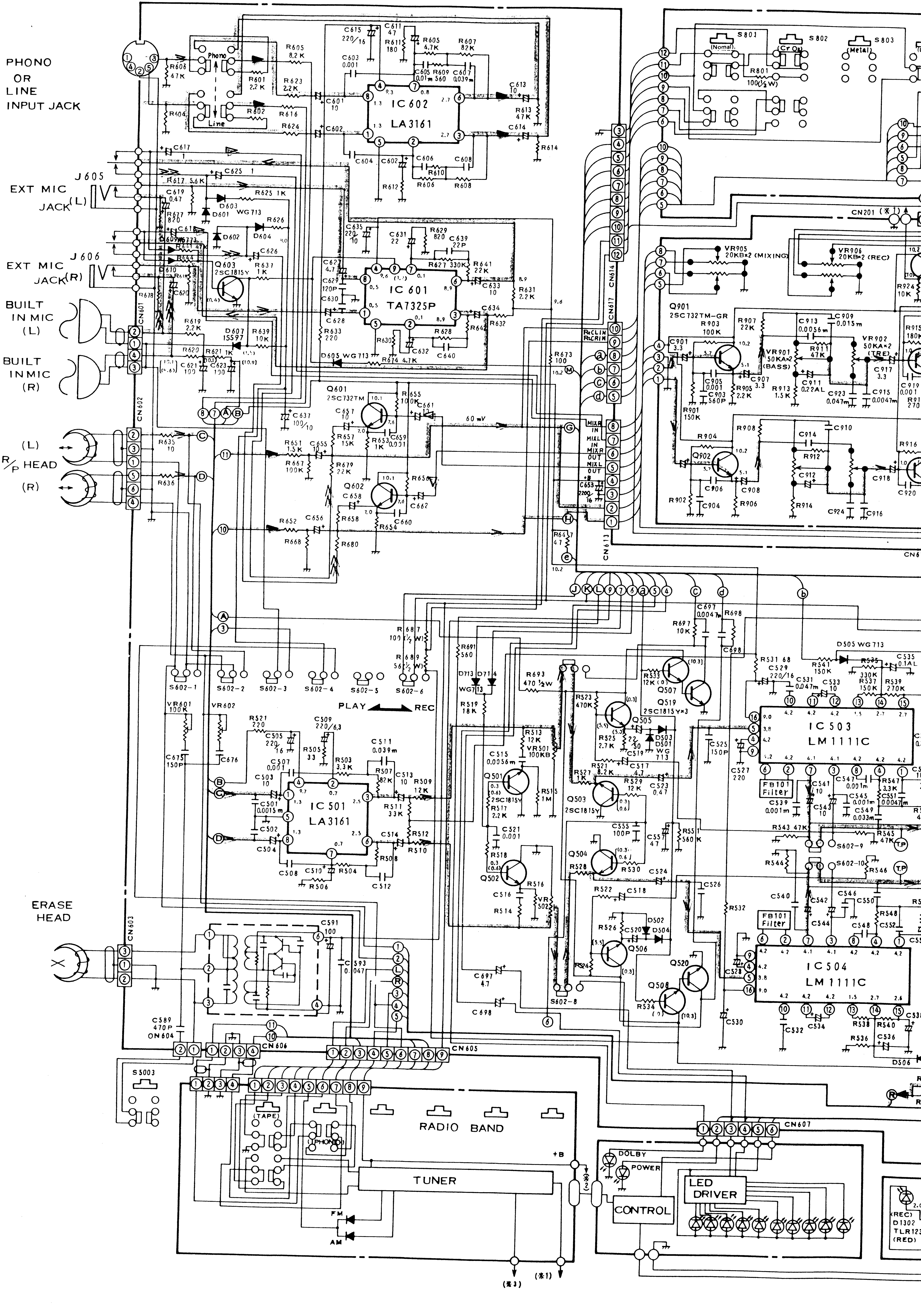

T101
K-0297
T102
K-0303
L101 2.2μ
C108 0.047-b
C109 100-16V
L102 22μ
R111 10K
R112 2.7K
IC101
LA1140
Voltage regulator
1st
2nd
3rd
4th
5th
6th
level det
inverter
hole det
quadrature limiter
quadrature det
APC Clamp
AF mute amp
AGC drive
signal level indicate
mute drive
VR101 B200K
C117 33P
R116 15K
R117 47K
C115 0.047-b
C116 4.7-50V
C110 0.047-b
R113 10K
R114 2.2K
C111 4.7-50V
C112 33P
C113 2.2-50V
R115 220K
VR102 B200K
R119 150K
R121 100K
Q103
Q104
R118 22K
R120 100K
R129 470
CN102
C114 680P-S
R122 22K
C121 120P-S
L103 5.6mH
L104 5.6mH
R123 100K
D103 WG-713
Q103~Q106 2SC536EorF
Q105
Q106
R124 82K
R125 5.6K
R126 27K
D104 WG713
R127 270K
D312 WG713
R337 100K
C118 470-16V
IC201
HA12026
C201 2.2-50V
C202 0.047-b
C203 1-50V
R201 1K
C204 0.33-16V
C205 470P-S
R202 18K
VR201 B10K
Volt Stabi
Pre-Amp
Phase Det.
DC Amp
VCO (76KHz)
FF (38KHz)
FF (19KHz)
FF (19KHz)
90°
0°
Vcc Det
Phase Det.
DC Amp
SW with Hyst
Lamp Driv.
Decoder
St/MO SW
VCO STOP
OR
ST MUTE
C209 0.0082-m
R207 3.3K
R208 3.3K
C210 0.0082-m
VR202 B220
C207 2.2-50V
R205 100K
C206 1-50V
R204 1K
R203 100K
TP-201
R215 3.3K
R214 220K
R216 3.3K
C214 100P
C218 2.2-50V
FL202 M673F
C212 2.2-50V
Q202
R210 470K
R212 1.2K
FL201 M673F
C213 100P
C217 22 50V
Q201
R213 220K
C211 2.2-50V
R209 470K
R211 1.2K
Q201 Q202 2SC536E
CN201
MODE
T305
T306
R328 180
R329 22K
Q303
D310 IN60
D311 IN60
R332 1K
C343 0.01-b
R333 1K
C344 0.01-b
R334 10K
R336 10K
C119 0.1-m
C345 0.001-b
R335 10K
R326 560
R327 4.7K
R330 1K
R331 10K
C341 0.01-b
TP303
D101 WG-713
R128 220
CN302
CN101
MUTE
CN401
CN402
TP401
TP403
D421 TLR123
TUNING IND
ST IND
D422 GL-5PR6
D417 D420 GL-5NG6
D420
D419
D418
D417
R401 820
R402 820
R403 820
R404 820
Q401
Q402
Q403
Q404
C423 0.47-50V
C422 0.47-50V
C424 0.47-50V
C425 0.47-50V
R405 100K
R406 100K
R407 100K
R408 100K
TC4555BP
IC403
R416 4.7K
R418 10K
R417 1M
R414 100
VR401 B10K
C401 0.0047-m
C402 0.047-m
C403 1-50V
R415 680K
R419 10K
IC404 LA6358
Vcc
R413 68K
CN406
C407 0.01-b
VR500 B10K
VR402 B22K
R412 6.8K
R420 100
C404 0.0068-m
R421 91K
C405 2.2-50V
C406 10-25V
R422 390K
CR1
CR2
BUC
TEST
FM
MW
LW
F/A OUT
M/L OUT
CV OUT
CV IN
Manual
S-Curve
UP
Down
Manu
MEMO
M-U/D
DX-LO
M-IND
VDD
CH7
CH6
CH5
CH4
CH3
CH2
CH1
Vss
B1
B2
B3
B4
B5
B6
B7
B8
B9
B10
Vref
F-Tune
MUTE
C410 0.01-m
C411 100-16V
R455 1K
R423 100K×7
R424
R425
R426
R427
R428
R429
R430 2.2M
R431 2.2M
R432 1.5M
C412 0.047-m
C413 0.047-m
To CN607
CN403
C426 0.047-b
C427 0.047-b
C428 10 25V
C429 10-25V
R441 47K
R442 47K
IC406 TA7666P
L401 22μ
R443 270
C430 100 25V
D446 R453
D445 R452
D444 R451
D443 R450
D442 R449
D441 R448
D440 R447
D439 R446
D438 R445
D437 R444
D436 R444~R446 R449~R451 820
D432
R447 R448 R452 R453 1.5K
D432, D437, D438, D439, D442, D443, D444, GL-5NG6
D440, D441, CN404 D445, D446, GL-5PR6
IC402 LB1473
R454 82
R410 100K
C409 0.0068-m
VR403 B4.7K
C408 0.01-m
R409 1.5K
Q406 2SA608EorF
D423 GL-9NG2
R440 22K
TP402
C415 1-50V
C414 100-25V
Q407 2SD400E
R437 5.1K
C420 4.7-50V
VR404 B2.2K
C421 47P
R438 3.3K
NC
Vref
VDD
B2
C1
Iphi
BUC
GND
CIK
+B1
Det
IC405 LA5700
R434 56K
D433 WG713
R433 390
D434 10D-1
R435 1K
C418 1000-16V
C417 3.3-50V
R436 22K
C416 10-25V
C419 47-25V
D424 D425 D426 D427 D428 D429 D430
S401 S402 S403 S404 S405 S406 S407
D450 D451 D452 D453 D454 D455 D456 D457
D450~D457 W6-713
S408 S409 S410 S411
CN405

■ ■ ■ AM (SW2) Signal Path

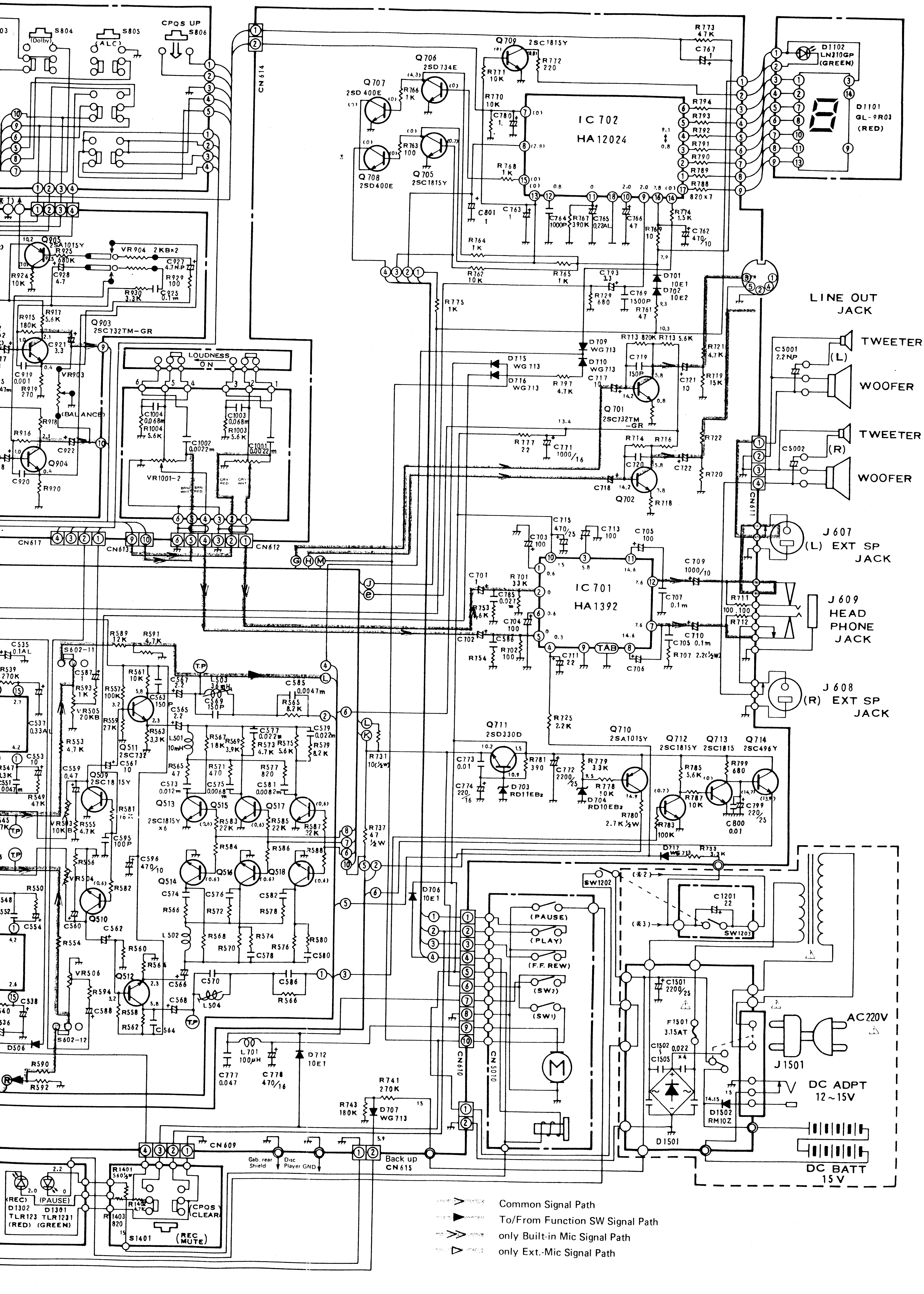
▨ FM Signal Path

am is subject to partial change without notice.

CIRCUIT DIAGRAM (PRE


PHONO OR LINE INPUT JACK
Phono
Line
EXT MIC JACK(L)
J605
EXT MIC JACK(R)
J606
BUILT IN MIC (L)
BUILT IN MIC (R)
(L)
R/P HEAD
(R)
ERASE HEAD
CN601
CN602
CN603
CN604
CN605
CN606
CN607
CN613
CN614
CN617
CN201
IC602 LA3161
IC601 TA7325P
IC501 LA3161
IC503 LM1111C
IC504 LM1111C
Q601 2SC732TM
Q602
Q603 2SC1815Y
Q501
Q502
Q503 2SC1815Y
Q504
Q505
Q506
Q507
Q508
Q519 2SC1815Y×3
Q520
Q901 2SC732TM-GR
Q902
VR905 20KB×2 (MIXING)
VR906 20KB×2 (REC)
VR901 50KA×2 (BASS)
VR902 50KA×2 (TRE)
VR601 100K
VR602
VR501 100KB
S801 (Nomal)
S802 (Cr O2)
S803 (Metal)
R801 100(1/2W)
S602-1
S602-2
S602-3
S602-4
S602-5
S602-6
S602-8
S602-9
S602-10
PLAY
REC
60 mV
D601 WG713
D602
D603
D604
D605 WG713
D607 1SS97
D713
D714 WG713
D501
D502
D503
D504
D505 WG713
D506
FB101 Filter
T.P
S5003
(TAPE)
(PHONO)
RADIO BAND
TUNER
+B
FM
AM
(※1)
(※2)
(※3)
DOLBY
POWER
LED DRIVER
CONTROL
(REC)
D1302
(RED)
MIXR IN
MIXL IN
MIXR OUT
MIXL OUT
RtCLIN
RtCRIN

PRE/MAIN AMP) MODEL VST8000


S804 (Dolby)
S805 (ALC)
CPQS UP S806
CN614
Q709 2SC1815Y
Q706 2SD734E
Q707 2SD400E
Q708 2SD400E
Q705 2SC1815Y
IC702 HA12024
D1102 LN310GP (GREEN)
D1101 GL-9R03 (RED)
LINE OUT JACK
TWEETER (L)
WOOFER
TWEETER (R)
WOOFER
CN611
J607 (L) EXT SP JACK
J609 HEAD PHONE JACK
J608 (R) EXT SP JACK
Q905 2SA1015Y
VR904 2KB×2
Q903 2SC732TM-GR
VR903 (BALANCE)
Q904
LOUDNESS ON
VR1001-2
CN617
CN613
CN612
Q701 2SC732TM-GR
Q702
IC701 HA1392
TAB
Q711 2SD330D
Q710 2SA1015Y
Q712 2SC1815Y
Q713 2SC1815
Q714 2SC496Y
S602-11
VR505 20KB
Q511 2SC732
Q509 2SC1815Y
Q513 2SC1815Y ×6
Q515
Q517
Q514
Q516
Q518
VR503 10KB
VR504
Q510
VR506
Q512
S602-12
D506
SW1202
SW1203
(PAUSE)
(PLAY)
(F.F. REW)
(SW2)
(SW1)
CN610
CN5010
M
F1501 3.15AT
D1501
D1502 RM10Z
J1501
AC220V
DC ADPT 12~15V
DC BATT 15V
CN609
Gab. rear Shield
Disc Player GND
Back up CN615
(REC) D1302 TLR123 (RED)
(PAUSE) D1301 TLR1231 (GREEN)
S1401 (REC MUTE)
(CPQS CLEAR)

➤ Common Signal Path

► To/From Function SW Signal Path

≫ only Built-in Mic Signal Path

▷ only Ext.-Mic Signal Path

PARTS LIST

Cassette Mechanism

Ref No	Part No.	Description
1	PBC0634	Chassis Ass'y
2		
3		
4		
5		
6	PBE14741	Cue Lever
7	PBD1590	REC Inter Plate
8	PBE14824	Stop Sub Plate
9		
10	PBE01412	Idler Ass'y
11	PBE14427	Pause Arm
12	PBE14337	Idler Gear
13	PBE14752	Protector
14	PBE13863	T. Spring
15		
16		
17	PBC1119	Head Base
18	PBD1611	Head Stand
19		
20	PBE6106	Spring
21	PBE13666	C. Spring
22	PBE6046	Pinch Spring
23		
24	PBE14460	Steel Ball
25	PBE14746	Spring Plate
26	PGWG26N070050	Washer
27		
28	PBE6056	Spring
29	PBE01582	Pinch Arm Ass'y
30	PBD1622	S. Reel
31	PGWM16X040020	Washer
32	PBE6003	C. Spring
33	PBE01129	T. Reel Ass'y
34	PBE6184	C. Spring
35	PBE 13723	Clutch Plate
36	PBE14720	Friction Plate
37	PBD1442	Lock Plate
38	PBE6055	Spring
39	PGWN24X040030	Washer
40	PBE12926	T. Spring
41	PBE14422	Pause Plate
42	PBE13662	T. Spring
43	PBE14424	REC Plate
44	PBE14744	REW Plate
45	PBE12926	T. Spring
46	PBE14742	Play Plate
47	PBE14743	FF Plate
48		
49		
50		
51	PBE01550	AS Cam Ass'y
52	PBE6097	C. Spring
53	PBD1632	Sensor
54	PBE14117	Washer
55	PBE14045	T. Spring
56	PBE14705	Sensor Arm A
57	PBE14706	Sensor Arm B
58	PBE14707	Sensor Arm C
59	PBE6092	Spring
60	PBE6111	T. Spring
61	PBD1598	Worm
62	PGWM26X060020	Washer
63	PBE14438	Stop Lever
64	PBD1609	Lock Plate
65	PBE6105	T. Spring
66	PBE14441	Select Arm
67	PBE6048	C. Spring

Ref No.	Part No.	Description
68	PBE01554	Slide Plate Ass'y
69	PBE14751	Collar
70	PBE01447	Holder Plate Ass.y
71	PBD1637	Assist Gear
72	PBE6053	Spring
73	PBE14439	Start Lever
74	PBE01579	Tension Ass'y
75	PBE6152	Spring
76	PBD1608	Lock Plate
77	PBE01420	Side Plate Ass'y
78	PBE14429	Side Plate B
79	PBE14416	Flywheel
80	PBD1600	FW Gear
81	PGWP26X095025	Washer
82	PBE13864	C. Spring
83	PBE5019	Belt
84	PBE5021	Belt
85	PBE5020	Belt
86	PBD1592	Motor Bracket
87	PBE01465	Holder B Ass'y
88	PBE14431	Capstan Support
89	PBD1593	REC Lever
90	PBC1117	Button Holder
91	PBE14419	Button Lever
92	PBE14421	Inter Plate
93	PBD1587	Cam Plate
94	PBE6052	C. Spring
96	PBE14432	Cassette Holder
97	PBE14764	SW Plate
98	PBE14754	Inter Plate RF
99	PBE14749	Button Lever P
100	PBE14748	Button Lever R
101	MSW0025	Leaf Switch
102	PBE14915	Collar
103	PBE14910	EJ. Arm
104	PGWF28A070050	Washer
105	PBE14789	Collar
106	PBE14909	Clamper Plate
107	PBE14911	Plate
108		
109		
110		
111	EG510ED2B	Motor
112	PBE14442	Motor Pulley
113	4432008	R/P Head
114	86M0103	Erase Head
115	PBE01590	Eject Ass'y
116	PBE14709	Eject Plate
117	PBE6118	Spring
118	MSW0025	Leaf Switch
119	MSW0094	Leaf Switch
120	MSW1234	Leaf Switch
121	MSW0058	Leaf Switch
122	PBE13863	T. Spring
123	PBE6101	T. Spring
124	PBE14916	Switch Arm
125	SL3L	Solenoid
126	PBE14750	Stop Lever
127	PBE6104	C. Spring
128	PBE14745	RP Plate
129	PBE13996	T. Spring
130	PBD2295	Back Plate
131	PBE2919	Tape
132	PBB2096	Loading Case
133	PBE14715	Keep Plate
134	PBE6107	Spring

Ref No	Part No.	Description
135	PBE01452	Cylinder Ass'y
136	PBE14826	Select Arm B
137	PBE14908	Guide
138	PBE14798	Eject Lever
139		Terminal
151	PGRS20P	CS Ring
152	PGRS30P	CS Ring
153	PGRS40P	CS Ring
154	PGRE20A	E Ring
155	PGRE30A	E Ring
156	PGSD10A2605	DT Screw
157	PGSD10A2610	DT Screw
158	PGSD10A3005	DT Screw
159	PGSP10A2003	Screw
160	PGSP11A2604	Sems Screw (Motor)
161	PGST15A2606	F Tapping Screw
162	PGST15A3006	F Tapping Screw
163	PGSN20A2011	Screw (Head)
164	PGSD10A2608	DT Screw
165	PGST20A2005	Tapping Screw
166	PGSD20A2005	DT Screw
167	PGSD10A2006	DT Screw
168	PGSN20A2008	N Screw
169	PGSD10A2606	ST Screw
170	PGSP13A2605	Screw
170-1	PGSD10A2609	DT Screw

NOTES:

All capacitors, resistors and inductors are listed using abbreviations.

1. Abbreviations of capacitors

CERAMIC	Disc Ceramic Capacitor
ELECTROLYTIC	Electrolytic Capacitor
MYLAR	Mylar Film Capacitor
VARIABLE	Variable Capacitor
MPP	Metalized Polypropylene Capacitor
PP	Polypropylene Capacitor
PAPER	Paper Capacitor
M. MYLAR	Metalized Mylar Film Capacitor
STYROL	Polystyrene Film Capacitor

2. Abbreviations of resistors

CARBON	Carbon Film Resistor
CARBON FR	Fusible Resistor
COMPOSITION	Fixed Composition Resistor
METAL OXIDE	Metal Oxide Film Resistor
WIRE WOUND (CEMENT)	Wire Wound (Cement)
METAL	Metal Film Resistor

All resistor values are indicated with the unit (Ω) omitted.

3. Abbreviations common to capacitors and resistors

C	±0.25 pF (Used for capacitors only)
D	±0.5 pF (Used for capacitors only)
F	±1%
G	±2%
J	±5%
K	±10%
M	±20%
Z	+80% −20% (Used for capacitors only)
P	+100% −0% (Used for capacitors only)

4. The unit "UH" and "MH" are used in liew of "μH" and "mH".

5. ※ marked parts are used for VST8000BS.
◎ marked parts are used for VST8000.

CABINET & CHASSIS

Ref. No.	Part No.	Description
171	2150000607	Speaker 4Ω (Tweeter)
172	2150000615	Speaker 4Ω (Woofer)
173	2150200194	Microphone KUC-1023 (ST)
or	2150200201	Microphone EM-7B
174	2151500093	Rod Antenna
175	2168500988	Battery Holder
176	2171001542	Handle Metal
※ 177	2171202683	Panel Decoration
◎ 177	2171202588	Panel Decoration
178	2171202272	Speaker Grille-T
179	2171202284	Speaker Grille-W
180	2171202299	Tuning Decoration
◎	2171202305	Emblem "General"
※	2171202424	Emblem "Teleton"
182	2174101040	Cassette Knob Spring
183	2174101061	Spring (Rec)
184 ※	2175903902	Voltage Label
	2175903584	Dolby Label
186	2176003777	Control Panel
187	2176003789	Cabinet-Front
188	2176003565	Cabinet-Rear
189	2176003593	Battery Lid
190	2176101309	Battery Cover Ass'y (W/Spring)
191	2176302255	Battery Cushion
192	2176302261	Mic. Cover-Rubber
193	2176603972	Cassette Window
194	2176604124	Speaker Decoration-T (for Tweeter)
195	2176604138	Tuning Window
196	2176604564	Side Panel-R
197	2176604575	Side Panel-L
198	2176604215	Light Guide-1
199	2176604222	Light Guide-3
200	2176604236	Handle-Main
201	2176604249	Handle Holder-M
202	2176604254	Handle Holder-S
203	2176604260	Program Window
204	2176604423	Composite Terminal
205	2176604437	Cassette Panel
206	2179001791	Filter (S)
207	2179001801	Filter (V)
208	2179001819	Filter (T)
	2179001911	Caution Plate
※	2179002170	Name Plate
◎	2179001977	Name Plate
212 ◎	2179001945	Switch Cover
213	2187300622	Knob PA33
214	2187300636	Knob PA34
215	2187300649	Knob PA35
216	2187300654	Knob PA36
217	2192813454	HEX. Socket Screw 4010
218 ◎	2095000224	Power Cord VDE
※219	2195000314	Power Cord BS
※ or	2195000238	Power Cord BS
	2176302272	Lid Cushion (B. Case)
221	2187400086	Knob SA3 (Control)
222	2187300660	Knob PA37 (CPQS)
223	2187400091	Knob SA4 (DX)
224	2187300683	Knob PA39 (Eject)
225	2176604185	Knob Guide-6 (Function)
226	2187300698	Knob PA31-1 (Mech.)
227	2176604190	Knob Guide-11 (Memory)
228	2187300671	Knob PA38 (Metal)
229	2176604162	Knob Guide-1 (Mode)
230	2176604283	Light Guide-L (Pause)
231	2187600231	Knob LA11 (Power)
232	2176604207	Light Guide (Program)
233	2176604298	Light Guide-R (Rec.)
234	2176604173	Knob Guide-5 (Tape)
235	2187000512	Knob CA19 (Tuning)
236	2186001576	Knob Cover (V) (Black, for VR)
237	2186001588	Knob Cover (C) (Black, for Controls)
238	2187400074	Knob SA2 (Volume)
	2149200033	Fuse Holder
	2149600257	PBC Plug 4P-H
241	2168101742	RF Shield-A
242	2168101763	RF Shield-B
243	2168101786	RF Shield-C
244	2168101826	Shield Plate (Cont)
245	2168511427	Antenna Holder-Metal
246	2170600702	Function Shaft-A
247	2174101084	Spring (Function)
248	2174101099	Spring (Eject)
249 ※	2168512426	Switch Holder
250	2176604117	LED Guide-16
251	2174101107	Spring (Memory)
	2176101317	Battery Cover
253	2176602808	Nylon Bushing
254	2176604074	LED Guide-1
256	2176604086	LED Guide-5
257	2176604091	LED Guide-7
258	2176604109	LED Guide-10
259	2176604329	LED Guide
260	2179001858	Insulation Sheet
261	2179001875	Shield Plate-A
	2186001649	LED Cover
	2195700268	Flat Cable-10P L=100
264	2148100758	Slide Switch 2P-2T (Ant. SW)
265	2176302409	Cushion-C (Audio)
266	2176302424	Cushion-Shield (Shield A)
267	2176302381	Cushion-A (Tuner PCB)
268	2176302417	Spacer (Holder B)
269	2176604333	LED Guide (for D-1102)
	2176302396	Cushon-B (Deck)
271, J601-4	2149301596	5P DIN Jack
272, J605	2149301488	Mic. Jack
273, J607	2149301600	SP DIN Jack
274, J609	2149301476	Headphone Jack
275, J1501	2149301513	Power Socket
276, S301	2148100719	Slide Switch
277, S302	2148200935	Push Switch
278, S401	2148900382	Momentary Switch
279, S601	2148100730	Slide Switch
S602	2148100764	Slide Switch
281, S801	2148201021	Push Switch
282, S802	2148900306	Momentary Switch
283, S1001	2148200948	Push Switch
284, S1200	2148400338	Lever Switch (Power)
285, S1401	2148200969	Push Switch
286, S5003	2148100775	Slide Switch
287	2176603349	Nylon Bushing (SP)
288	2161339604	P.C. Board-AMB
289	2161339700	P.C. Board-AMC
290	2161339801	P.C. Board-AMD
291	2161341003	P.C. Board-AMS
292	2168101220	Heat Sink
293	2168511547	Mech. Holder
294	2168511568	PCB Holder-A
295	2168511581	PCB Holder-B
296	2168511600	PCB Holder-C
297	2168511625	Deck Holder
298	2176003559	Control Deck
299	2176604039	Function Shaft
300	2176604042	Function Angle

Ref. No.	Part No.	Description
301	2176604057	Function Cover
302	2176604063	Rec. Arm
303	2176604304	Cassette Deck Port
304	2176604312	Rec./Muting Shaft
305	2161342503	P.C.Board-ANH (Ant.)
306	2161340107	P.C. Board-AMG (Audio)
307	2161340604	P.C. Board-AMN (SW)
308	2161339903	P.C. Board-AME (P.S.)
309	2161340213	P.C. Board-AMH (Tone)
310	2161340406	P.C. Board-AMK (H.P.)
311	2161340700	P.C. Board-AMP (VR)
312	2161340008	P.C. Board-AMF (Loud)
313, CN611	2149301568	Connector Socket-4P W-P3004
314	2161340302	P.C. Board-AMJ (LED. A)
315	2161342608	P.C. Board-ANJ (LED. B)
316	2149301579	Connector Socket-2P (P. Sup)
317	2161342400	P.C. Board-ANG (Rec. Mut)
318	2168511384	Knob Holder
319	2168511361	Handle Holder
321	2186001615	Nylon Mat A
322	2186001622	Nylon Mat B
323	2168511308	P.T. Holder
※ 324	**2148100827**	Slide Switch
325	2149100439	Earth Screw
326	2168511264	Func. Holder
327	2143900009	VR (Tuning)
328	2143500249	VR Slide
329	2148100775	Slide Switch
330	2176602112	Nylon Bushing
331	2168101801	Heat Sink
332	2168511287	Counter Holder
333	2168511402	Terminal Holder

MECHANISM

334	2151600206	Cassette Mech. MF-710
335	2151700176	Tape Counter

336	2111300527	LED TLR123, Red
337	2111300593	LED GL-5PR6 Red
338	2111300531	LED TLG123A Green
339	2111300462	LED GL-9NG2, Grn
340	2111300502	LED GL-9R03 Red X8
341	2111300510	LED LN310GP Grn
342	2111300531	LED TLG123A Grn
343	2130325027	Electrolytic 50V 2.2µF (Non Pol)
⚠※ 344	**2117300796**	Power Transformer **BS**
⚠◎ 344	**2117300662**	Power Transformer **AC220V VDE**
345	**2123000751**	**MW, LW** Bar Antenna **AM-0751** W/Holder
SCREW		
346	2092413230	Machine Screw (Flat) +SS3010
347	2192403511	(Pan) +SN3016
348	2092403031	(Pan) +SN3006
349	2092403010	(Pan) +SN3006
350	2092443838	(Bind)+SB3030
351	2092440815	(Bind)+SB2004
352	2092443014	(Bind)+SB3006
353	2092812205	(T. P)+SN TP4020
354	2092812107	(T. P)+SN TP4008
355	2192801346	Captite Screw +SN CT3010

Ref. No.	Part No.	Description
356	2192801312	+SN CT3008
357	2192801378	+SN CT3012
358	2092810674	Taptite Screw (Pan) +SN TT3008
359	2092810691	(Pan) +SN TT3010
360	2092810714	(Pan) +SN TT3012
361	2092810657	(Pan) +SN TT3006
362	2092811696	(Pan) +SN TT3006
363	2092810287	**SEMS Screw** +ANS 3006
364 ※	**2092203016**	**Tapping Screw (Pan) +SN #TAP3006**
365	2092312911	Tapping Screw (T.P) +TP #2TAP4008
366	2092812612	(T.P) +TP #1TAP4020
367	2092102016	(Pan) +SN #1TAP2606
368	2092014230	HEXA Nut-2 NMS402
371	2092800442	E-Ring NE3
372	2082400152	Wire Clamper A L=55 W=5
373	2192813350	Taptite Screw (Pan) +SN TT3040
374	2092443211	Machine Screw(Bind) +SB3010

CHASSIS

CN101	2049601356	Plug 6P-P, PCB
CN102	2149301520	Connector 1P
CN301	2049601338	Plug 4P-G, PCB
CN302	2049601338	Plug 4P-G, PCB
CN303	2049601385	Plug 9P-D, PCB
CN405	2049301750	Receptacle 4P (PWB-Ribbon)
CN406	2149600239	PCB Plug 4P-H
CN601	2049601020	Plug 4P-E PCB
CN602	2049601356	Plug 6P-P, PCB
CN603	2049601324	Plug 3P-1, PCB
CN604	2049601317	Plug-2P-1, PCB
CN605	2049601385	Plug 9P-D, PCB
CN606	2049601338	Plug 4P-G, PCB
CN607	2049601356	Plug 6P-P, PCB
CN609	2049601338	Plug 4P-G, PCB
CN610	2049601390	Plug 10P-B, PCB
CN612	2049601356	Plug 6P-P, PCB
CN613	2049301812	Receptacle 10P (PWB-Ribbon)
CN614	2149301177	Jumper Socket
CN617	2049601390	Plug 10P-B, PCB
CN814	2195700279	Flat Cable-16P
CN915	2149600257	PCB Plug 4P-H
⚠ F701 ※	**2147200197**	**Fuse T630mA**
※	**2149200103**	**Fuse Holder**
⚠ F1501	**2147200049**	Fuse, 3.15A **250V**
J608	2149301493	SP Jack
S402	2148900382	Momentary Switch
S403	2148900382	Momentary Switch
S404	2148900382	Momentary Switch
S405	2148900382	Momentary Switch
S406	2148900382	Momentary Switch
S407	2148900382	Momentary Switch
S408	2148900382	Momentary Switch
S409	2148900382	Momentary Switch
S410	2148900382	Momentary Switch
S411	2148900382	Momentary Switch

SEMICONDUCTORS

D1～D3	2108300093	Varactor	SVC202
D101	2008010188	Diode-SI	WG713
D103, 104	2008010188	Diode-SI	WG713
D301～304	2108300076	Varactor	SVC321
D308, 309	2008010188	Diode-SI	WG713
D310, 311	2008000001	Diode-GE	1N60
D312～314	2008010188	Diode-SI	WG713
D401～416	2111300593	LED	GL-5PR6, Red

Ref. No.	Part No.	Description		
D417~420	2111300607	LED	GL-5NG6, Grn	
D421	2111300527	LED	TL123, Red	
D422	2111300593	LED	GL-5PR6, Red	
D423~430	2111300462	LED	GL-9NG2, Grn	
D432	2111300607	LED	GL-5NG6, Grn	
D433	2008010188	Diode-SI	WG713	
D434	2109100008	Rectifier-SI	10D-1	
D436	2111300593	LED	GL-5PR6, Red	
D437~439	2111300607	LED	GL-5NG6, Grn	
D440, 441	2111300593	LED	GL-5PR6, Red	
D442~444	2111300607	LED	GL-5NG6, Grn	
D445,446	2111300593	LED	GL-5PR6, Red	
D450~457	2008010188	Diode-SI	WG713	
D501~506	2008010188	Diode-SI	WG713	
D601~604	2008010188	Diode-SI	WG713	
D607	2108000012	Diode-GE	1N60-P	
D609, 610	2008010188	Diode-SI	WG713	
◎ D701, 702	2009120241	Rectifier-SI	10E1	
※ D701	2108200364	Diode-Zener	RD3E	
D703	2008221179	Diode-Zener	RD11EB2	0.4W
D704	2008221147	Diode-Zener	RD10EB2	0.4W
D706	2009120241	Rectifier-SI	10E1	
D707	2008010188	Diode-SI	WG713	
D709, 710	2008010188	Diode-SI	WG713	
D712	2009120241	Rectifier-SI	10E1	
D713~717	2008010188	Diode-SI	WG713	
D1101	2111300502	LED	GL-9R03	RED X8
D1102	2111300510	LED	LN310GP	GRN
D1301	2111300531	LED	TLG123A	GRN
D1302	2111300527	LED	TLR123	RED
D1501	2109200185	Rectifier-SI	S2VB20	F
D1502	2009120241	Rectifier-SI	10E1	
IC101	2102100236	IC	LA1140	
IC201	2102300022	IC	HA12026	
IC301	2102100222	IC	LA1245	
IC401	2102000206	IC	LC7207	
IC402	2102000199	IC	LB1473	
IC403	2102000214	IC	TC4555BP	
IC404	2102400507	IC	LA6358	
IC405	2102600026	IC	LA5700	
IC406	2102000221	IC	TA7666P	
IC501	2102400446	IC	LA3161	
IC503, 504	2102200059	IC	LM1111CN	
IC601	2102400478	IC	TA7325P	
IC602	2102400446	IC	LA3161	
IC701	2102400495	IC	HA1392	
IC702	2102800008	IC	HA12024	
Q1	2007100331	FET	2SK61	GR
Q2	2003053527	Transistor	2SC535	B
Q3	2103000804	Transistor	2SC461	B
Q101	2103000527	Transistor	2SC930	E
Q103~106	2103000030	Transistor	2SC536	E
or	2103000043	Transistor	2SC536	F
Q201, 202	2103000030	Transistor	2SC536	E
Q301	2103000030	Transistor	2SC536	E
Q302, 303	2103000527	Transistor	2SC930	E
Q401~404	2103000030	Transistor	2SC536	E
or	2103000043	Transistor	2SC536	F
Q406	2004060858	Transistor	2SA608	E-NP
or	2004060864	Transistor	2SA608	F-NP
Q407	2104500396	Transistor	2SD400	E
Q501~510	2003181516	Transistor	2SC1815	Y
Q511, 512	2103000649	Transistor	2SC732TM	GR
Q513~520	2003181516	Transistor	2SC1815	Y
Q601, 602	2103000649	Transistor	2SC732TM	GR
Q603	2003181516	Transistor	2SC1815	Y
Q701, 702	2103000649	Transistor	2SC732TM	GR
Q705	2003181516	Transistor	2SC1815	Y

Ref. No.	Part No.	Description		
Q706	2104500607	Transistor	2SD734	E
Q707, 708	2104500396	Transistor	2SD400	E
Q709	2003181516	Transistor	2SC1815	Y
Q710	2004101518	Transistor	2SA1015	Y
Q711	2104500163	Transistor	2SD330	D
Q712, 713	2003181516	Transistor	2SC1815	Y
Q714	2003049621	Transistor	2SC496	Y
Q901~904	2103000649	Transistor	2SC732TM	GR
Q905	2004101518	Transistor	2SA1015	Y

CAPACITORS

C1	2028018030	Ceramic	50V	12pF-J
C2	2027010156	Ceramic	50V	0.022μF-Z
C3	2028000608	Ceramic	50V	100pF-J
C4, 5	2027010156	Ceramic	50V	0.022μF-Z
C6	2028018174	Ceramic	50V	15pF-J
C7	2028000126	Ceramic	50V	4pF-D
C8	2028000369	Ceramic	50V	22pF-J
C10	2027010000	Ceramic	50V	1000pF-Z
C11~13	2027010156	Ceramic	50V	0.022μF-Z
C14	2027010000	Ceramic	50V	1000pF-Z
C15	2028018125	Ceramic	50V	22pF-J
C16	2028018092	Ceramic	50V	6pF-D
C17	2028018064	Ceramic	50V	8pF-D
C18	2028020024	Ceramic	50V	1pF-C
C20	2028038034	Ceramic	50V	22pF-J
C21~23	2028018381	Ceramic	50V	56pF-J
C101, 102	2027010156	Ceramic	50V	0.022μF-Z
C103	2027010057	Ceramic	50V	0.047μF-Z
C105~108	2027010057	Ceramic	50V	0.047μF-Z
C109	2030014044	Electrolytic	16V	100μF-M
C110	2027010057	Ceramic	50V	0.047μF-Z
C111	2030029053	Electrolytic	50V	4.7μF-M
C112	2028000439	Ceramic	50V	33pF-K
C113	2030029035	Electrolytic	50V	2.2μF-M
C114	2131030300	Styrol	50V	680pF-J
C115	2027010057	Ceramic	50V	0.047μF-Z
C116	2030029053	Electrolytic	50V	4.7μF-M
C117	2028000439	Ceramic	50V	33pF-K
C118	2030014076	Electrolytic	16V	470μF
C119	2131100851	Mylar	50V	0.1μF-K
C201	2030029035	Electrolytic	50V	2.2μF-M
C202	2027010057	Ceramic	50V	0.047μF-Z
C203	2030029021	Electrolytic	50V	1μF-M
C204	2130513274	AL-Solid	16V	0.33μF-M
C205	2131030245	Styrol	50V	470pF-J
C206	2030029021	Electrolytic	50V	1μF-M
C207	2030029035	Electrolytic	50V	2.2μF-M
C209, 210	2131100396	Mylar	50V	8200pF-J
C211, 212	2030029035	Electrolytic	50V	2.2μF-M
C213, 214	2028000616	Ceramic	50V	100pF-K
C217, 218	2030029035	Electrolytic	50V	2.2μF-M
C301	2028000457	Ceramic	50V	39pF-J
C302	2028000616	Ceramic	50V	100pF-K
C303	2028000418	Ceramic	50V	30pF-J
C304	2131100019	Mylar	50V	0.001μF-J
C305	2028000879	Ceramic	50V	560pF-J
C307	2028000314	Ceramic	50V	15pF-K
C308, 309	2027010057	Ceramic	50V	0.047μF-Z
C310	2028050003	Ceramic	50V	68pF-J
C311	2128046241	Ceramic	50V	39pF-J
C312	2131030621	Styrol	50V	110pF-J
C313	2028046158	Ceramic	50V	33pF-J
C314	2131030232	Styrol	50V	430pF-J
C315	2128030216	Ceramic	50V	7pF-D
C316	2030014044	Electrolytic	16V	100μF-M
C317	2027010000	Ceramic	50V	1000pF-Z

Ref. No.	Part No.	Description		
C318	2027010057	Ceramic	50V	0.047μF-Z
C319, 320	2027010156	Ceramic	50V	0.022μF-Z
C321	2030019019	Electrolytic	25V	10μF-M
C322	2027010156	Ceramic	50V	0.022μF-Z
C323	2027010000	Ceramic	50V	1000pF-Z
C324	2027010057	Ceramic	50V	0.047μF-Z
C325	2030029053	Electrolytic	50V	4.7μF-M
C326	2030029048	Electrolytic	50V	3.3μF-M
C327	2027010057	Ceramic	50V	0.047μF-Z
C328	2030029014	Electrolytic	50V	0.47μF-M
C329	2027010039	Ceramic	50V	0.01μF-Z
C330	2027010057	Ceramic	50V	0.047μF-Z
C331	2131100649	Mylar	50V	0.033μF-K
C332	2027010039	Ceramic	50V	0.01μF-Z
C333	2027010057	Ceramic	50V	0.047μF-Z
C334	2030029021	Electrolytic	50V	1μF-M
C335	2028000616	Ceramic	50V	100pF-K
C337	2030029021	Electrolytic	50V	1μF-M
C338, 339	2027010057	Ceramic	50V	0.047μF-Z
C340	2027010156	Ceramic	50V	0.022μF-Z
C341	2027010039	Ceramic	50V	0.01μF-Z
C342	2131030363	Styrol	50V	1000pF-J
C343, 344	2027010039	Ceramic	50V	0.01μF-Z
C345	2027010000	Ceramic	50V	1000pF-Z
C347	2028000353	Ceramic	50V	20pF-J
C348	2028046241	Ceramic	50V	39pF-J
C349	2030014044	Electrolytic	16V	100μF-M
C350	2028050003	Ceramic	50V	68pF-J
C351	2028000545	Ceramic	50V	68pF-J
C401	2131100299	Mylar	50V	4700pF-K
C402	2131100711	Mylar	50V	0.047μF-K
C403	2030029021	Electrolytic	50V	1μF-M
C404	2131100368	Mylar	50V	6800pF-K
C405	2030029035	Electrolytic	50V	2.2μF-M
C406	2030019019	Electrolytic	25V	10μF-M
C407	2027010039	Ceramic	50V	0.01μF-Z
C408	2131100438	Mylar	50V	0.01μF-K
C409	2131100368	Mylar	50V	6800pF-K
C410	2131100438	Mylar	50V	0.01μF-K
C411	2030014044	Electrolytic	16V	100μF-M
C412, 413	2131100711	Mylar	50V	0.047μF-K
C414	2030019058	Electrolytic	25V	100μF-M
C415	2030029021	Electrolytic	50V	1μF-M
C416	2030019019	Electrolytic	25V	10μF-M
C417	2030029048	Electrolytic	50V	3.3μF-M
C418	2030014088	Electrolytic	16V	1000μF
C419	2030019043	Electrolytic	25V	47μF-M
C420	2030029053	Electrolytic	50V	4.7μF-M
C421	2028000491	Ceramic	50V	47pF-K
C422~425	2030513564	Electrolytic (AL-Solid)	25V	0.47μF-K
C426, 427	2027010057	Ceramic	50V	0.047μF-Z
C428, 429	2030019019	Electrolytic	25V	10μF-M
C430	2030019058	Electrolytic	25V	100μF-M
C501, 502	2131100087	Mylar	50V	1500pF-K
C503, 504	2030019019	Electrolytic	25V	10μF-M
C505	2030014059	Electrolytic	16V	220μF-M
C507, 508	2027010000	Ceramic	50V	1000pF-Z
C509, 510	2030004039	Electrolytic	6.3V	220μF-M
C511, 512	2131100683	Mylar	50V	0.039μF-K
C513, 514	2030019019	Electrolytic	25V	10μF-M
C515, 516	2131100334	Mylar	50V	5600pF-K
C517, 518	2030029053	Electrolytic	50V	4.7μF-M
C519, 520	2030029035	Electrolytic	50V	2.2μF-M
C521	2027010000	Ceramic	50V	1000pF-Z
C523, 524	2030029014	Electrolytic	50V	0.47μF-M
C525, 526	2028000661	Ceramic	50V	150pF-J
C527, 528	2030009041	Electrolytic	10V	220μF-M
◎ C529, 530	2030014059	Electrolytic	16V	220μF-M

Ref. No.	Part No.	Description		
※ C529, 530	2030019064	Electrolytic	25V	220μF-M
C531, 532	2131100711	Mylar	50V	0.047μF-K
C533, 534	2030019019	Electrolytic	25V	10μF-M
C535, 536	2130513050	AL-Solid	25V	0.1μF-M
C537, 538	2130513274	AL-Solid	16V	0.33μF-M
C539, 540	2131100019	Mylar	50V	1000pF-K
C541~544	2030019019	Electrolytic	25V	10μF-M
C545~548	2131100019	Mylar	50V	1000pF-K
C549, 550	2131100649	Mylar	50V	0.033μF-K
C551, 552	2131100299	Mylar	50V	4700pF-K
C553, 554	2030019019	Electrolytic	25V	10μF-M
C555	2028000608	Ceramic	50V	100pF-J
C557	2030009024	Electrolytic	10V	47μF-M
C559, 560	2030029014	Electrolytic	50V	0.47μF-M
C561, 562	2030019019	Electrolytic	25V	10μF-M
C563, 564	2028000661	Ceramic	50V	150pF-J
C565~568	2030029035	Electrolytic	50V	2.2μF-M
C569, 570	2028000661	Ceramic	50V	150pF-J
C573, 574	2131100473	Mylar	50V	0.012μF-K
C575, 576	2131100368	Mylar	50V	6800pF-K
C577~580	2131100576	Mylar	50V	0.022μF-K
C581, 582	2131100409	Mylar	50V	8200pF-K
C585, 586	2131100299	Mylar	50V	4700pF-K
C587, 588	2030029021	Electrolytic	50V	1μF-M
C589	2027000160	Ceramic	50V	470pF-K
C591	2030009038	Electrolytic	10V	100μF-M
C593	2027010057	Ceramic	50V	0.047μF-Z
C595	2028000608	Ceramic	50V	100pF-J
C596	2030009062	Electrolytic	10V	470μF-M
C601, 602	2030019019	Electrolytic	25V	10μF-M
C603, 604	2027010000	Ceramic	50V	1000pF-Z
C605, 606	2131100438	Mylar	50V	0.01μF-K
C607, 608	2131100683	Mylar	50V	0.039μF-K
C611, 612	2030009024	Electrolytic	10V	47μF-M
C613, 614	2030019019	Electrolytic	25V	10μF-M
C615	2030014059	Electrolytic	16V	220μF-M
C617, 618	2030029021	Electrolytic	50V	1μF-M
C619, 620	2030029014	Electrolytic	50V	0.47μF-M
C621	2030009038	Electrolytic	10V	100μF
C623	2030009038	Electrolytic	10V	100μF-M
C625, 626	2030029021	Electrolytic	50V	1μF-M
C627, 628	2030029053	Electrolytic	50V	4.7μF-M
C629, 630	2028000637	Ceramic	50V	120pF-J
C631, 632	2030019026	Electrolytic	25V	22μF-M
C633, 634	2030019019	Electrolytic	25V	10μF-M
◎ C635	2030009041	Electrolytic	10V	220μF-M
※ C635	2030019064	Electrolytic	25V	220μF-M
C637	2030009038	Electrolytic	10V	100μF-M
C639, 640	2028000369	Ceramic	50V	22pF-J
C653	2030014088	Electrolytic	16V	1000μF
C655~658	2030019019	Electrolytic	25V	10μF-M
C659, 660	2027010000	Ceramic	50V	1000pF-Z
C661, 662	2030019019	Electrolytic	25V	10μF-M
C675, 676	2027000040	Ceramic	50V	150pF-K
C697	2030029053	Electrolytic	50V	4.7μF-M
C697	2131100299	Mylar	50V	4700pF-K
C698	2030029053	Electrolytic	50V	4.7μF-M
C698	2131100299	Mylar	50V	4700pF-K
C701, 702	2030029021	Electrolytic	50V	1μF-M
C703~706	2030009038	Electrolytic	10V	100μF-M
C707, 708	2131100851	Mylar	50V	0.1μF-K
C709, 710	2030009073	Electrolytic	10V	1000μF-M
C711	2030019026	Electrolytic	25V	22μF-M
C713	2030009038	Electrolytic	10V	100μF-M
C715	2030019087	Electrolytic	25V	470μF-M
C717, 718	2030019019	Electrolytic	25V	10μF-M
C719, 720	2028000661	Ceramic	50V	150pF-J

Ref. No.	Part No.	Description		
C721, 722	2030019019	Electrolytic	25V	10μF-M
◎ C761	2030009024	Electrolytic	10V	47μF-M
◎ C762	2030009062	Electrolytic	10V	470μF-M
※ C762	2030019087	Electrolytic	25V	470μF-M
C763	2030029021	Electrolytic	50V	1μF-M
C764	2027010000	Ceramic	50V	1000pF-Z
C765	2130513257	AL-Solid	16V	0.22μF-M
C766	2030009024	Electrolytic	10V	47μF-M
C767	2030029021	Electrolytic	50V	1μF-M
C769	2027010074	Ceramic	50V	1500pF-Z
C771	2030014088	Electrolytic	16V	1000μF
C772	2030019100	Electrolytic	25V	2200μF-M
C773	2027010039	Ceramic	50V	0.01μF-Z
C774	2030014059	Electrolytic	16V	220μF-M
C777	2027010057	Ceramic	50V	0.047μF-Z
C778	2030014076	Electrolytic	16V	470μF
C780	2030029021	Electrolytic	50V	1μF-M
C785, 786	2131100615	Mylar	50V	0.027μF-K
C793	2030029048	Electrolytic	50V	3.3μF-M
C795	2030019019	Electrolytic	25V	10μF-M
C797	2030014044	Electrolytic	16V	100μF-M
C799	2030019064	Electrolytic	25V	220μF-M
C901, 902	2030029048	Electrolytic	50V	3.3μF-M
C903, 904	2028000879	Ceramic	50V	560pF-J
C905, 906	2027010000	Ceramic	50V	1000pF-Z
C907, 908	2030029048	Electrolytic	50V	3.3μF-M
C909, 910	2131100502	Mylar	50V	0.015μF-K
C911, 912	2130513257	AL-Solid	16V	0.22μF-M
C913, 914	2131100334	Mylar	50V	5600pF-K
C915, 916	2131100299	Mylar	50V	4700pF-K
C917, 918	2030029048	Electrolytic	50V	3.3μF-M
C919, 920	2027010000	Ceramic	50V	1000pF-Z
C921, 922	2030029048	Electrolytic	50V	3.3μF-M
C923, 924	2131100711	Mylar	50V	0.047μF-K
C925	2131100851	Mylar	50V	0.1μF-K
C927	2130325002	Electrolytic (Non Pol)	50V	4.7μF
C928	2030029053	Electrolytic	50V	4.7μF-M
C929	2030014088	Electrolytic	16V	1000μF
C1001,1002	2131100157	Mylar	50V	2200pF-K
C1003,1004	2131100789	Mylar	50V	0.068μF-K
C1201	2030019019	Electrolytic	25V	10μF-M
C1202	2027050407	Ceramic	500V	4700pF-K
C1501	2030019100	Electrolytic	25V	2200μF-M
C1502~ 1505	2027010156	Ceramic	50V	0.022μF-Z
C5001,5002	2130325027	Electrolytic (Non Pol)	50V	2.2μF
TC1, 2	2132000379	Variable		
TC3	2132100010	Variable		
TC301,302	2132000019	(Trimmer)	10pF	
TC303,304	2132000058	(Trimmer)	15pF	
TC305,306	2132000092	(Trimmer)	30pF	

RESISTORS

Ref. No.	Part No.	Description		
LN401	2144000091	Ladder	20B-12X-MEI	
or	2144000109		RA-3001	
R1, 2	2136104180	Carbon	1/4W	100K-J
R3	2136103826	Carbon	1/4W	10K-J
R4	2136102981	Carbon	1/4W	47-J
R5	2136104180	Carbon	1/4W	100K-J
R6	2136103646	Carbon	1/4W	3.3K-J
R7	2136101320	Carbon	1/4W	10K-J
R8	2136103524	Carbon	1/4W	1.5K-J
R9	2136102981	Carbon	1/4W	47-J
R10	2136103826	Carbon	1/4W	10K-J
R11	2136006649	Carbon-F	1/8W	1K-J
R12	2136103585	Carbon	1/4W	2.2K-J
R13	2136103826	Carbon	1/4W	10K-J
R14	2136104180	Carbon	1/4W	100K-J
R101	2136006163	Carbon-F	1/8W	10-J
R102	2136006565	Carbon-F	1/8W	470-J
R103	2136006698	Carbon-F	1/8W	1.8K-J
R104	2136006649	Carbon-F	1/8W	1K-J
R105	2136006878	Carbon-F	1/8W	10K-J
R106	2136006485	Carbon-F	1/8W	220-J
R107, 108	2136006527	Carbon-F	1/8W	330-J
R109	2136006711	Carbon-F	1/8W	2.2K-J
R111	2136006878	Carbon-F	1/8W	10K-J
R112	2136006732	Carbon-F	1/8W	2.7K-J
R113	2136006878	Carbon-F	1/8W	10K-J
R114	2136006711	Carbon-F	1/8W	2.2K-J
R115	2136007196	Carbon-F	1/8W	220K-J
R116	2136006914	Carbon-F	1/8W	15K-J
R117	2136007035	Carbon-F	1/8W	47K-J
R118	2136006953	Carbon-F	1/8W	22K-J
R119	2136007152	Carbon-F	1/8W	150K-J
R120, 121	2136007113	Carbon-F	1/8W	100K-J
R122	2136006953	Carbon-F	1/8W	22K-J
R123	2136007113	Carbon-F	1/8W	100K-J
R124	2136007097	Carbon-F	1/8W	82K-J
R125	2136006812	Carbon-F	1/8W	5.6K-J
R126	2136006970	Carbon-F	1/8W	27K-J
R127	2136007203	Carbon-F	1/8W	270K-J
R128	2136006485	Carbon-F	1/8W	220-J
R129	2136006565	Carbon-F	1/8W	470-J
R201	2136006649	Carbon-F	1/8W	1K-J
R202	2136006935	Carbon-F	1/8W	18K-J
R203	2136007113	Carbon-F	1/8W	100K-J
R204	2136006649	Carbon-F	1/8W	1K-J
R205	2136007113	Carbon-F	1/8W	100K-J
R207, 208	2136006750	Carbon-F	1/8W	3.3K-J
R209, 210	2136007266	Carbon-F	1/8W	470K-J
R211, 212	2136007446	Carbon-F	1/8W	1.2K-J
R213, 214	2136007196	Carbon-F	1/8W	220K-J
R215, 216	2136006750	Carbon-F	1/8W	3.3K-J
R301	2136200763	Carbon	1/2W	680-J
R302	2136006502	Carbon-F	1/8W	270-J
R303	2136006485	Carbon-F	1/8W	220-J
R304, 305	2136007113	Carbon-F	1/8W	100K-J
R306	2136006671	Carbon-F	1/8W	1.5K-J
R307	2136006409	Carbon-F	1/8W	100-J
R308	2136006485	Carbon-F	1/8W	220-J
R309	2136006671	Carbon-F	1/8W	1.5K-J
R310	2136007113	Carbon-F	1/8W	100K-J
R311	2136006878	Carbon-F	1/8W	10K-J
R312	2136006565	Carbon-F	1/8W	470-J
R313, 314	2136006878	Carbon-F	1/8W	10K-J
R315	2136006381	Carbon-F	1/8W	82-J
R316	2136006878	Carbon-F	1/8W	10K-J
R317	2136006649	Carbon-F	1/8W	1K-J
R318	2136006750	Carbon-F	1/8W	3.3K-J
R319	2136007113	Carbon-F	1/8W	100K-J
R320	2136006649	Carbon-F	1/8W	1K-J
R321	2136007266	Carbon-F	1/8W	470K-J
R322	2136007228	Carbon-F	1/8W	330K-J
R323	2136006588	Carbon-F	1/8W	560-J
R324	2136006935	Carbon-F	1/8W	18K-J
R326	2136006588	Carbon-F	1/8W	560-J
R327	2136006794	Carbon-F	1/8W	4.7K-J
R328	2136006462	Carbon-F	1/8W	180-J
R329	2136006953	Carbon-F	1/8W	22K-J
R330	2136006649	Carbon-F	1/8W	1K-J
R331	2136006878	Carbon-F	1/8W	10K-J
R332, 333	2136006649	Carbon-F	1/8W	1K-J

Ref. No.	Part No.	Description		
R334~336	2136006878	Carbon-F	1/8W	10K-J
R337	2136007113	Carbon-F	1/8W	100K-J
R338, 339	2136007113	Carbon-F	1/8W	100K-J
R340	2136007070	Carbon-F	1/8W	68K-J
R401~404	2136006622	Carbon-F	1/8W	820-J
R405~408	2136007113	Carbon-F	1/8W	100K-J
R409	2136006711	Carbon-F	1/8W	2.2K-J
R410	2136007113	Carbon-F	1/8W	100K-J
R412	2136006833	Carbon-F	1/8W	6.8K-J
R413	2136007070	Carbon-F	1/8W	68K-J
R414	2136006409	Carbon-F	1/8W	100-J
R415	2136007300	Carbon-F	1/8W	680K-J
R416	2136006794	Carbon-F	1/8W	4.7K-J
R417	2136007342	Carbon-F	1/8W	1M-J
R418, 419	2136006878	Carbon-F	1/8W	10K-J
R420	2136006409	Carbon-F	1/8W	100-J
R421	2136007105	Carbon-F	1/8W	91K-J
R422	2136007245	Carbon-F	1/8W	390K-J
R423~429	2136007113	Carbon-F	1/8W	100K-J
R430, 431	2136007391	Carbon-F	1/8W	2.2M-J
R432	2136007374	Carbon-F	1/8W	1.5M-J
R433	2136006544	Carbon-F	1/8W	390-J
R434	2136007053	Carbon-F	1/8W	56K-J
R435	2136006649	Carbon-F	1/8W	1K-J
R436	2136006953	Carbon-F	1/8W	22K-J
R437	2136006804	Carbon-F	1/8W	5.1K-J
R438	2136006750	Carbon-F	1/8W	3.3K-J
R440	2136006953	Carbon-F	1/8W	22K-J
R441, 442	2136007035	Carbon-F	1/8W	47K-J
R443	2136006502	Carbon-F	1/8W	270-J
R444~446	2136006622	Carbon-F	1/8W	820-J
R447, 448	2136006671	Carbon-F	1/8W	1.5K-J
R449~451	2136006622	Carbon-F	1/8W	820-J
R452, 453	2136006671	Carbon-F	1/8W	1.5K-J
R454	2136006381	Carbon-F	1/8W	82-J
R455	2136100964	Carbon	1/4W	1K-J
R501	2136006485	Carbon-F	1/8W	220-J
R503, 504	2036500762	Carbon-TP	1/4W	3.3K-J
R505, 506	2036500280	Carbon-TP	1/4W	33-J
R507, 508	2036501101	Carbon-TP	1/4W	82K-J
R509, 510	2036500902	Carbon-TP	1/4W	12K-J
R511, 512	2036501002	Carbon-TP	1/4W	33K-J
R513, 514	2036500902	Carbon-TP	1/4W	12K-J
R515, 516	2036501369	Carbon-TP	1/4W	1M-J
R517, 518	2036500724	Carbon-TP	1/4W	2.2K-J
R519	2036500944	Carbon-TP	1/4W	18K-J
R521, 522	2136103791	Carbon	1/4W	8.2K-J
R523, 524	2136104428	Carbon	1/4W	470K-J
R525, 526	2136103612	Carbon	1/4W	2.7K-J
R527	2136100964	Carbon	1/4W	1K-J
R528	2036500645	Carbon-TP	1/4W	1K-J
R529, 530	2036500902	Carbon-TP	1/4W	12K-J
R531, 532	2036500364	Carbon TP	1/4W	68-J
R533, 534	2136103858	Carbon	1/4W	12K-J
R535, 536	2036501241	Carbon-TP	1/4W	330K-J
R537, 538	2036501164	Carbon-TP	1/4W	150K-J
R539, 540	2036501224	Carbon-TP	1/4W	270K-J
R541	2136104244	Carbon	1/4W	150K-J
R543~546	2036501044	Carbon-TP	1/4W	47K-J
R547, 548	2036500762	Carbon-TP	1/4W	3.3K-J
R549	2036501044	Carbon-TP	1/4W	47K-J
R551	2136104450	Carbon	1/4W	560K-J
R553~556	2036500800	Carbon-TP	1/4W	4.7K-J
R557, 558	2036501126	Carbon-TP	1/4W	100K-J
R559, 560	2036500988	Carbon-TP	1/4W	27K-J
R561, 562	2036500886	Carbon-TP	1/4W	10K-J
R563, 564	2036500762	Carbon-TP	1/4W	3.3K-J
R565	2036500326	Carbon-TP	1/4W	47-J

Ref. No.	Part No.	Description		
R565	2036500863	Carbon-TP	1/4W	8.2K-J
R566	2036500326	Carbon-TP	1/4W	47-J
R566	2036500863	Carbon-TP	1/4W	8.2K-J
R567, 568	2036500944	Carbon-TP	1/4W	18K-J
R569, 570	2036500785	Carbon-TP	1/4W	3.9K-J
R571, 572	2036500561	Carbon-TP	1/4W	470-J
R573, 574	2036500800	Carbon-TP	1/4W	4.7K-J
R575, 576	2036500825	Carbon-TP	1/4W	5.6K-J
R577, 578	2036500628	Carbon-TP	1/4W	820-J
R579, 580	2036500863	Carbon-TP	1/4W	8.2K-J
R581, 582	2036500944	Carbon-TP	1/4W	18K-J
R583~588	2036500965	Carbon-TP	1/4W	22K-J
R589	2136103858	Carbon	1/4W	12K-J
R590	2036500902	Carbon-TP	1/4W	12K-J
R591	2136006794	Carbon-F	1/8W	4.7K-J
R592	2136103700	Carbon	1/4W	4.7K-J
R593, 594	2036500645	Carbon-TP	1/4W	1K-J
R595	2136103435	Carbon	1/4W	820-J
R601, 602	2036500724	Carbon-TP	1/4W	2.2K-J
R603, 604	2036501044	Carbon-TP	1/4W	47K-J
R605, 606	2036500800	Carbon-TP	1/4W	4.7K-J
R607, 608	2036501101	Carbon-TP	1/4W	82K-J
R609, 610	2136103376	Carbon	1/4W	560-J
R611, 612	2136100693	Carbon	1/4W	180-J
R613, 614	2036501044	Carbon-TP	1/4W	47K-J
R615, 616	2036500863	Carbon-TP	1/4W	8.2K-J
R617, 618	2036500825	Carbon-TP	1/4W	5.6K-J
R619, 620	2136103585	Carbon	1/4W	2.2K-J
R621	2136103469	Carbon	1/4W	1K-J
R623	2036500645	Carbon-TP	1/4W	1K-J
R624	2136100964	Carbon	1/4W	1K-J
R625, 626	2136103469	Carbon	1/4W	1K-J
R627, 628	2036501241	Carbon-TP	1/4W	330K-J
R629, 630	2136103435	Carbon	1/4W	820-J
R631, 632	2036500724	Carbon-TP	1/4W	2.2K-J
R633	2036500481	Carbon-TP	1/4W	220-J
R635, 636	2036500169	Carbon-TP	1/4W	10-J
R637	2036500645	Carbon-TP	1/4W	1K-J
R639	2036500886	Carbon-TP	1/4W	10K-J
R641, 642	2036500965	Carbon-TP	1/4W	22K-J
R643, 644	2136104068	Carbon	1/4W	47K-J
◎ R647	2036500326	Carbon-TP	1/4W	47-J
※ **R647**	**2137100349**	**Fusible**	**1/4W**	**47-J**
R651, 652	2036500689	Carbon-TP	1/4W	1.5K-J
R653, 654	2036500645	Carbon-TP	1/4W	1K-J
R655, 656	2136104180	Carbon	1/4W	100K-J
R657, 658	2036500927	Carbon-TP	1/4W	15K-J
R667, 668	2136104180	Carbon	1/4W	100K-J
R673	2136100602	Carbon	1/4W	100-J
R674	2036500800	Carbon-TP	1/4W	4.7K-J
R677, 678	2136100930	Carbon	1/4W	820-J
R679, 680	2036500965	Carbon-TP	1/4W	22K-J
R687	2136200469	Carbon	1/2W	100-J
R689	2136200376	Carbon	1/2W	56-J
R691	2036500584	Carbon-TP	1/4W	560-J
◎ R693	2136200700	Carbon	1/2W	470-J
※ **R693**	**2036500561**	**Carbon**	**1/4W**	**470-J**
R695	2136200469	Carbon	1/2W	100-J
R697, 698	2136103826	Carbon	1/4W	10K-J
R701, 702	2036501002	Carbon-TP	1/4W	33K-J
◎ R707	2136202130	Carbon	1/2W	2.2-J
※ **R707**	**2137100546**	**Fusible**	**1/2W**	**2.2-J**
R711, 712	2036500405	Carbon-TP	1/4W	100-J
R713, 714	2036501348	Carbon-TP	1/4W	820K-J
R715, 716	2036500825	Carbon-TP	1/4W	5.6K-J
R717, 718	2036500584	Carbon-TP	1/4W	560-J
R719, 720	2036500927	Carbon-TP	1/4W	15K-J
R721, 722	2036500800	Carbon-TP	1/4W	4.7K-J

Ref. No.	Part No.	Description		
R725	2136103585	Carbon	1/4W	2.2K-J
R729	2036500603	Carbon-TP	1/4W	680-J
◎ R731	2136200107	Carbon	1/2W	10-J
※ R731	2137100274	Fusible	1/2W	10-J
R733	2136103646	Carbon	1/4W	3.3K-J
◎ R737	2136200344	Carbon	1/2W	47-J
※ R737	2137100315	Fusible	1/2W	22-J
R741	2136104338	Carbon	1/4W	270K-J
R743	2136104276	Carbon	1/4W	180K-J
R753, 754	2136103739	Carbon	1/4W	5.6K-J
◎ R761	2036500326	Carbon-TP	1/4W	47-J
R762	2036500886	Carbon-TP	1/4W	10K-J
R763	2036500405	Carbon-TP	1/4W	100-J
R764~766	2036500645	Carbon-TP	1/4W	1K-J
R767	2036501262	Carbon-TP	1/4W	390K-J
R768	2036500645	Carbon-TP	1/4W	1K-J
R769	2036500169	Carbon-TP	1/4W	10-J
R770, 771	2036500886	Carbon-TP	1/4W	10K-J
R772	2036500481	Carbon-TP	1/4W	220-J
R773	2036501044	Carbon-TP	1/4W	47K-J
R774	2036500689	Carbon-TP	1/4W	1.5K-J
R775	2036500645	Carbon-TP	1/4W	1K-J
◎ R777	2136102866	Carbon	1/4W	22-J
※ R777	2137100315	Fusible	1/4W	22-J
◎ R778	2136103826	Carbon	1/4W	10K-J
※ R778	2136103406	Carbon	1/4W	680-J
R779	2136103585	Carbon	1/4W	2.2K-J
R780	2136200791	Carbon	1/2W	820-J
◎ R781	2136103310	Carbon	1/4W	390-J
※ R781	2136103344	Carbon	1/4W	470-J
R783	2136104180	Carbon	1/4W	100K-J
R785	2136103739	Carbon	1/4W	5.6K-J
R787	2136103826	Carbon	1/4W	10K-J
R788~794	2036500628	Carbon-TP	1/4W	820-J
R797	2136103700	Carbon	1/4W	4.7K-J
◎ R799	2136103406	Carbon	1/4W	680-J
※ R799	2137100464	Fusible	1/4W	510-J
R801	2136200469	Carbon	1/2W	100-J
R901, 902	2136007152	Carbon-F	1/8W	150K-J
R903, 904	2136007113	Carbon-F	1/8W	100K-J
R905, 906	2136006711	Carbon-F	1/8W	2.2K-J
R907, 908	2136006953	Carbon-F	1/8W	22K-J
R911, 912	2136007035	Carbon-F	1/8W	47K-J
R913, 914	2136006671	Carbon-F	1/8W	1.5K-J
R915, 916	2136007179	Carbon-F	1/8W	180K-J
R917, 918	2136006812	Carbon-F	1/8W	5.6K-J
R919, 920	2136006502	Carbon-F	1/8W	270-J
R924	2136006878	Carbon-F	1/8W	10K-J
R925	2136007300	Carbon-F	1/8W	680K-J
R927	2136006750	Carbon-F	1/8W	3.3K-J
R929	2136006409	Carbon-F	1/8W	100-J
R1003,1004	2136006812	Carbon-F	1/8W	5.6K-J
R1201	2136006794	Carbon-F	1/8W	4.7K-J
R1401	2136200739	Carbon	1/2W	560-J
R1402	2136103700	Carbon	1/4W	4.7K-J

CONTROLS

	2143900009	Variable Resistor	K16AZ (Tuning)
VR101,102	2142101140	Variable Resistor	200K-B Semi-fixed
VR201	2142101108	Variable Resistor	10K-B Semi-fixed
VR202	2142101056	Variable Resistor	200-B Semi-fixed
VR401	2142000110	Variable Resistor	10K-B Semi-fixed
VR402	2142000077	Variable Resistor	2.2K-B Semi-fixed
VR403	2142000094	Variable Resistor	4.7K-B Semi-fixed
VR404	2142300087	Variable Resistor	2.2K-B Semi-fixed
VR501,502	2142101123	Variable Resistor	50K-B Semi-fixed
VR503~ 506	2142101116	Variable Resistor	20K-B Semi-fixed

INDUCTORS

Ref. No.	Part No.	Description	
VR601,602	2142101137	Variable Resistor	100K-B Semi-fixed
VR901,902	2143500254	Variable Resistor	50K-A Slide
VR903	2143500271	Variable Resistor	50K-B Slide
VR904	2143500298	Variable Resistor	2K-D Slide
VR905,906	2143500260	Variable Resistor	20K-B Slide
VR1001	2143500249	Variable Resistor	50K-B Slide
⚠	2117400209	Power Transformer	AC240V SAA (for SRC8000GA)
⚠	2117900172	Power Transformer	AC115V/230V (for SRC8000GZ)
CF101	2152200001	Ceramic Filter	SFE 10.7MA5-A
or	2152200019	Ceramic Filter	SFE 10.7MA5-B
or	2152200026	Ceramic Filter	SFE 10.7MA5-C
CF102	2152200001	Ceramic Filter	SFE 10.7MA5-A
or	2152200019	Ceramic Filter	SFE 10.7MA5-B
or	2152200026	Ceramic Filter	SFE 10.7MA5-C
FB101,102	2144100125	Low Pass Filter	FB-21 19kHz
FL201,202	2144300008	Low Pass Filter	M675F
L1	2114600028	Choke Coil	
L2	2123100835	FM OSC Coil	FEM10C-2F6
L101	2114100002	Choke Coil	2UH
L102	2114702948	Ferrite Inductor	22UH-J
L103	2114702851	Ferrite Inductor	5.6MH±5%
L301	2123100806	LW OSC Coil	OMO-0806
L302	2123100870	SW OSC Coil	OMO-0870
L303	2123100796	MW OSC Coil	OMO-0796
L304	2014100787	Coil	1000UH±10% (Peaking)
L305	2114703844	Coil With Core	270UH±10%
L401	2114703719	Coil With Core	22UH±10%
L501, 502	2123900277	EQ Coil	10MH
L503, 504	2123900294	Trap Coil	36MH
L701	2114701868	Ferrite Inductor	100UH±10%
	2123900357	OSC Block (R-bias)	TO-20C 67kHz
T1	2118000038	Balun Coil	75-300Ω PCB-Type
or	2118000041	Balun Coil	75-300Ω PCB-Type
T2	2123000780	FM ANT Coil	
T3	2123200079	FM RF Coil	
T4	2123400311	FM IFT	7K-311
T101	2123400297	FM IFT	K-0297
T102	2123400303	FM IFT	K-0303
T301	2123000751	MW, LW Bar Antenna	AM-0751 W/Holder
T302	2123000778	SW Antenna Coil	AM-0778
◎ T303	2123300558	AM IFT	K-0558
※ T303	2123300697	AM IFT	K-0697
◎ T304	2123300587	AM IFT	K-0587
※ T304	2123300702	AM IFT	K-0702
T305	2123300575	AM IFT	K-0575
T306	2123300564	AM IFT	K-0564

COMPLETE MODULES AND ASS'Y

	2851000533	P.C. Board Ass'y	(FM Front End)
	※ 2851000720	P.C. Board Ass'y	(TUN)
	◎ 2851000595	P.C. Board Ass'y	(TUN)
	2852001085	P.C. Board Ass'y	(VR)
	2852001123	P.C. Board Ass'y	(Switch)
	※ 2852001328	P.C. Board Ass'y	(Audio)
	◎ 2852001172	P.C. Board Ass'y	(Audio)
	2852001155	P.C. Board Ass'y	(Tone)
	※ 2856000633	P.C. Board Ass'y	(PS)
	◎ 2856000573	P.C. Board Ass'y	(PS)
	2859001326	P.C. Board Ass'y	(Control)

GENERAL

F. R. Germany: **GENERAL CORPORATION JAPAN (Euro) GmbH**
Werftstraβe 20, 4000 Düsseldorf 11 Tel. 0211-50 47 021 Tlx. 8 588 366

The Netherlands: **GENERAL CORPORATION JAPAN (NL) B.V.**
Marconiweg 10, 4124 PD Hagestein (Vianen) Tel. 03 473-73744 Tlx. 40 581

United Kingdom: **TELETON ELECTRO (U.K.) CO., LTD.**
Technical Service Organisation
Somerton Works, Prince Avenue, Westcliff-on-Sea, Essex, SSO OHU.
Tel. 0702 337681 Tlx. 99338

Distributors

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Spain: **HiFi Audio S.A.**
Manigua 50, Barcelona 27 Tel. 93-3 40 08 00 Tlx. 97 589

Switzerland: **ALLELECTRIC AG**
Gartenstraβe 12, 5600 Lenzburg Tel. 0 64-51 6951 Tlx. 68 208

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